

Lancaster Farming

L 27 No. 9

Lancaster Farming, Thursday, December 24, 1981

\$7.50 per year

Merry Christmas

To: Our farm families

From: The staff
of Lancaster Farming



Scranton' scores the first 6-E in Holstein history

BY JOYCE BUPP
Staff Correspondent

KUTZTOWN — How does it feel to own a history-making cow, the first Holstein to ever be classified 6-E?

"It's nice," admits Kutztown registered Holstein breeder Ray Seidel.

On December 15, the Seidel family's "Miss Ivanhoe Scranton," at 19 years of age, was scored 94-E by Holstein classifier Tom Dum, Jr., who graded the Ker-

chenhill herd in the regular scoring visit.

Excellent status can first be granted to animals after they're beyond the 2-year-old heifer status, and the number of "E" designations increases as animals mature through age increments if they are deemed physically worthy of that score. Less than a dozen animals have gone 5E, with none ever before reaching the sixth Excellent grade.

A daughter of the famed

Osborndale Ivanhoe, Scranton first scored EX-91 during her second classification back in 1967.

Probably her most memorable year came in 1969, when she won the aged cow class and the grand championship at the prestigious Central National Dairy Show at Madison, Wisconsin, and topped that by garnering the All-American award.

For several seasons during the late '60s and early '70s, Scranton was a familiar individual in the

championship-spot at Pennsylvania shows. She backed up her show honors with impressive milk production, and has a lifetime to date of over 193,000 pounds milk and 8,200 pounds fat.

During the last decade, several of her sons went into service with the AI industry. Her daughter by Ideal Fury Reflector, "Kerchenhill Ruffian," is at Hilltop Hanover Farms, Yorktowne Heights, New York, and scored EX-91.

Prior to her scoring with the Kerchenhill herd, Scranton was at Em-Tram, Inc., Elizabethtown for embryo flushing and transplant work. One bred recipient returned home to the Kutztown farm with her, and is due to calve early next year.

In a quiet understatement, Seidel simply says, "She's been a wonderful cow — a once-in-a-lifetime cow."



Nineteen-year-old Miss Ivanhoe Scranton, an Osborndale Ivanhoe daughter owned by the Raymond Seidel family, Kutztown, became the

first Holstein cow to ever merit the classification 6-E.

Reagan signs Farm Bill; unloads surplus cheese

WASHINGTON D.C. — President Reagan signed the 1981 Farm Bill into law on Tuesday at noon and also announced a widespread distribution of surplus cheese to the nation's needy.

The \$11 billion Farm Bill culminated months of struggle between the administration and U.S. Congress, with the more vocal protests from key U.S. House democrats.

"This legislation is the result of many months of hard work both in the Congress and the administration. The strength of our economy is our reliance on the

market place," announced Reagan.

The bill includes four-year price support programs for wheat, feed grain, dairy products, cotton, rice, peanuts, soybeans, sugar and wool. A one-year extension food stamp program is included as well as grain reserve programs, soil conservation incentives, protec-

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Livestock market and auction news

Lancaster Market

Monday, Dec. 21

Report supplied by USDA

Cattle Calves Hogs Sheep

Today	658	159	1351	152
Last Mon.	578	82	1215	419
Last Year	804	88	1228	89
Monday's Auction	696	138	1211	178
Last Monday's Auction	606	89	1200	462

CATTLE: Compared to last Wednesday slaughter steers firm to 1.00 higher, after early sales being 1.00-1.50 higher; slaughter heifers steady to 1.00 higher; Cutter to Commercial cows 4.00-6.00 higher, Canner and low Cutter 2.00-3.00 higher; bullocks not fully tested; bulls 4.00-5.00 higher. Supply included 55% slaughter steers, 15% heifers, 25% cows, and 5% bulls.

SLAUGHTER STEERS: Good and Choice 1-2 1125-1325 lb. 62.00-63.50, five head 67.00-67.85; Choice 2-4 1025-1425 lb. 60.00-62.00, several late 58.85-60.00; high Good and low Choice 2-3 57.25-60.00; Good 2-3 54.00-59.50; Good and Choice 1150-1450 lb. Holsteins 50.75-53.50; Standard 1-2 1050-1300 lb. 48.00-51.50, few 875-1050 lb. 43.75-48.00.

SLAUGHTER HEIFERS: Choice 2-3 875-1050 lb. 56.50-59.25, few yield grade 2 60.75-63.50; Good 2-3 875-1025 lb. 52.00-56.00, few 800-875 lb. 50.00-52.00.

COWS: Utility and Commercial 1-3 43.00-46.50, several 46.50-49.50; Commercial 3-4 38.00-40.00; Cutter 1-2 38.00-42.50, few 42.50-44.50; Canner and low Cutter 36.00-38.00.

BULLOCKS: Couple Choice 1200-1990 lb. 63.75-66.00; couple Good 1000-1150 lb. 54.00-56.50.

BULLS: Yield grade 1 1300-1800 lb. 53.00-56.60.

VEAL CALVES: Vealers fully steady. Demand good for Holstein bulls to return to farm.

VEALERS: Choice and Prime special fed 260-330 lb. 112.00-122.00; Choice 140-290 lb. 85.00-100.00, few 100.00-108.00, high Good and low Choice 140-250 lb. 65.00-85.00, 115-140 lb. 55.00-65.00, 80-110 lb. 40.00-50.00, few 100-110 lb. 50.00-55.00.

RETURNED TO FARM: Bulk 85-115 lb. Holstein bulls 80.00-90.00.

SLAUGHTER CALVES: Good and Choice 350-425 lb. 45.00-52.00.

SHEEP: Woolled lambs fully steady; slaughter ewes steady.

WOOLED LAMBS: Choice 65-110 lb. 55.00-60.00, few 60.00-63.00; Good 60-110 lb. 45.00-50.00, few 50.00-55.00; around 45 head Choice 30-55 lb. new crop lambs 140.00-155.00.

SLAUGHTER EWES: Utility and Good 28.00-36.00.

Vintage Livestock

Tuesday, December 22

Report supplied by USDA

Cattle Calves Sheep

Today	931	866	12
Last Tuesday	620	747	10
Last Year	550	567	3

CATTLE: Compared to last Tuesday slaughter steers 50-1.00 lower; slaughter heifers steady to 1.00 lower; cows 1.00-2.00 higher, instances 3.00 higher; bulls and bullocks not fully tested. Supply included 58 percent slaughter steers and 37 percent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1325 lb. 61.75-63.35, few 1400-1500 lb. 60.00-62.60; Good and choice 1-2 1075-1350 lb. 62.50-64.75, nine head 66.00-68.00; Choice 2-4 1050-1475 lb. 59.75-62.25, few head 62.25-62.75; few Choice mostly 4 1275-1400 lb. 57.00-58.50; high Good and low Choice 2-3 58.00-61.00; Good 2-3 55.00-58.50; few head Good and Choice 1100-1350 lb. Holsteins 52.50-56.10; Standard 1-2 875-1200 lb. 43.00-50.00.

SLAUGHTER HEIFERS: Few Choice 2-3 875-1050 lb. 57.00-59.35; Good 2-3 850-1025 lb. 52.00-57.00.

COWS: Utility and Commercial 1-3 39.75-43.50, few 43.50-44.50; Cutter 1-2 38.50-42.50, few 42.50-44.75; Canner and low Cutter 35.00-39.00.

BULLOCKS: Couple Choice 1050-1200 lb. 55.75-57.25; couple Good 1000-1150 lb. 52.50-55.75.

BULLS: Couple yield grade 1 1200-1800 lb. 57.25-60.00, individual 65.75; few yield grade 2 1000-1450 lb. 48.75-52.00.

VEAL CALVES: Vealers fully steady, instances 3.00 higher on high Good and low Choice. Supply

included 617 in graded sale of which 78 per cent sold to return to farm.

VEALERS: Choice 145-300 lb. 84.00-89.00, couple 102.00-103.00; high Good and low Choice 160-250 lb. 70.00-85.00, 120-160 lb. 55.00-75.00, 100-120 lb. 48.00-60.00, 80-100 lb. 43.00-53.00, few 60-75 lb. 35.00-43.50.

RETURNED TO FARM: 40 head 100-115 lb. Holstein heifers 96.00-98.00; 30 head 90-95 lb. 78.00; 26 head 80 lb. 50.00; 26 head small frame 90-105 lb. 55.00-65.00. 40 head 120-125 lb. Holstein bulls 82.00-83.00; 165-head 100-115 lb. 86.50-92.00; 45 head 90-95 lb. 57.00-59.00; 15 head small frame 120-125 lb. 63.00; 92 head small frame 100-115 lb. 56.50-57.00.

SHEEP: Insufficient volume for a market test. Few Good 85-115 lb. woolled lambs 42.00-46.00.

Four States Livestock

Hagerstown, Md.

Wednesday, Dec. 16

Report supplied by auction

SLAUGHTER: Fed Steers No Choice offered, \$1.50 lower. Good 50.00-53.50; Medium 49.00 Down. Heifers Choice to 48.75; Good 43.00-47.00; Medium 42.00 Down. Cows Good run, \$1.50 higher. High Yield 40.50-42.00; Average 38.00-40.00; Big Middle 34.00-37.00; Fatty Herf. 33.00-35.00; Shelly 36.00 Down. Fat Bulls \$1.00 higher. Good 47.00-52.00; Medium 42.00-46.00. Veal Calves \$1.00 to \$3.00 higher. Choice 93.00-97.00; Good 85.00-92.00; Medium 70.00-84.00; Farm Hfrs. to 59.00; Farm Bulls to 62.50; Light & Weak 52.00 Down.

STOCKER: Steers 300-550 lbs. Good 52.00-55.00; Medium 46.00-51.00; Culls 45.00 Down. Steers 600-850 lbs. Choice 48.00-52.00; Good 42.00-47.00; Medium 41.00 Down. Heifers (All Weights) Choice 44.00-47.50; Good 39.00-43.00; Medium 38.00 Down. Bulls Good 45.00-50.00; Medium 44.00 Down. Dairy Cows to 800.00. Springing Heifers 910.00. Pigs, Hd. Mostly steady. 20-30 lbs. 13.00-23.00; 40-60 lbs. 24.00-30.00. Shoats by Lb. to 40.00. Slaughter Hogs Steady prices. 210-230 lbs. 39.00-41.50; 240-260 lbs. 39.50-40.00; 270-330 lbs. 36.00-40.00. Sows 300-600 lbs. 32.50-36.00.

MARKET NOTICE

The normal market and auction coverage of Lancaster Farming has been curtailed by this week's early publication deadline.

Morrison Cove

Livestock

Martinsburg, Pa.

Monday, December 21

Report supplied by Auction

CATTLE 169: Good slaughter steers 52.25-56.50, Standard 48.50-52.00, Utility 42.00-48.50. Good slaughter heifers 53.25-55.50, Standard 46.00-50.25, Utility 42.00-46.50. Utility & Commercial slaughter cows 42.50-45.25, Cutters 42.00-42.75, Canner & Low Cutters 35.00-40.25, Shells down to 32.00. Good slaughter bullocks 53.50-55.75, Standard 45.00-48.50, Utility 40.00-44.25. Yield Grade #1, slaughter bulls 50.25-52.75, #2, 46.00-48.50. Choice feeder steers 48.50-52.50, Good 44.50-48.25, Medium 42.00-44.00. Good feeder heifers 45.00-48.50, Medium 42.25-44.50. Good feeder bulls 44.50-46.50, Medium 40.50-44.50.

CALVES 288: Prime vealers 94.00-98.50, Choice 85.00-92.50, Good 75.00-83.50, Standard and Good 110-130 lbs. 60.00-74.50, 90-110 lbs. 52.00-56.50, 70-90 lbs. 45.00-52.00. Farm Calves: Hol. Bulls 90-125 lbs. 70.00-91.00; Hol. Heifers 90-125 lbs. 78.00-121.00.

HOGS 398: US No. 1-2 barrows and gilts 44.00-45.10, No. 1-3 43.50-44.20, No. 2-3 42.00-43.50, No. 2-4 40.50-42.25. US No. 1-3 sows 37.50-41.25, No. 2-3 30.50-38.00. Boars 30.00-35.25.

FEEDER PIGS 58: US No. 1-3 25-40 lbs. feeder pigs 14.00-20.50 per head, No. 1-3 40-70 lbs. 20.50-28.50 per head.

SHEEP 1: Good 90 lbs. woolled slaughter lamb at 48.00.

GOATS 2: 22.00 & 34.00 per head.

Dewart Livestock

Dewart, Pa.

Monday, December 21

Report supplied by PDA

CATTLE 175: Choice 2-4, 1050-1175 lbs. slaughter steers 60.00-63.00, Good 55.75-58.25, one 59.50, few Standard 47.25-54.85. Individual Choice slaughter heifer at 54.00, few Good 48.25-50.00. Utility

& Commercial slaughter cows. 38.50-44.10, couple 45.00, Cutters 35.50-39.10, Canner & Low Cutters 33.25-38.10. Few Yield grade #1, 1350-1650 lbs. slaughter bulls 40.85-54.00. Few Large Frame #2, 600-800 lbs. feeder steers 40.00-45.75.

CALVES 220: Few Choice vealers at 100.00, few Good 64.00-90.00, Standard & Good 70-100 lbs. 52.00-60.00, few Utility 50-80 lbs. 30.00-50.00. Farm Calves: Hol. Bulls 85-130 lbs. 59.00-94.00; Few Hol. Heifers 85-145 lbs. 80.00-100.00.

HOGS 405: US No. 1-2 200-240 lbs. barrows and gilts 44.30-45.50, No. 1-3 220-225 lbs. 43.50-44.50, No. 2-3 230-260 lbs. 41.00-42.20. US No. 1-3 325-700 lbs. sows 34.25-39.50. Couple Boars at 31.00.

FEEDER PIGS 136: US No. 1-3 20-35 lbs. feeder pigs 12.00-20.00 per head, No. 1-3 35-50 lbs. 18.00-24.50 per head, lot No. 1-3 60 lbs. at 32.00 per head.

SHEEP 22: Few Low Choice 65-105 lbs. woolled slaughter lambs 50.00-55.00, Good 55-85 lbs. 45.00-50.00.

GOATS 7: 22.00-38.00.

New Holland Horse

Monday, Dec. 21

New Holland Sales Stables

Report supplied by auction

Reported receipts of 194 head of horses, mules, and ponies. Market: steady.

Better horses 500.00-700.00; Driving horses 350.00-825.00; Riding horses 300.00-450.00; Lightweight killers 375.00-475.00; Heavyweight killers 525.00-650.00; Mares 35.00-110.00; Colts 15.00-40.00; Geldings 35.00-110.00; Larger ponies 150.00-275.00.

NOËL

Ringing out wishes for good cheer, and our thanks for letting us serve you.

LANCASTER STOCKYARDS WEEKLY SALES

SLAUGHTER SALES — MON. & WED. 10:00 A.M.
VEALERS, LAMBS, HOGS — MON. & WED. 11:00 A.M.
HOG AUCTION — SATURDAY 9:30 A.M.
STOCKER & FEEDER — FRIDAY 11:00 A.M.

HOLIDAY SCHEDULE

Lancaster Stockyards will be closed for business Christmas and New Years Day. Livestock arriving at the Yards will be fed and watered as usual.

NEXT FEEDER PIG SALE - DEC. 29

EQUIPPED TO RECEIVE YOUR LIVESTOCK
 24 HOURS A DAY, 365 DAYS A YEAR.

PRIVATE TREATY DAILY
LANCASTER STOCKYARDS, INC.
(717) 394-2611

HAY, STRAW & CORN — SALE —

Every Friday at 12 Noon

GREEN DRAGON MARKET & AUCTION

RD No. 4 Ephrata, Pa. 717-733-2334
 1 mile North of Ephrata on N. State St.
 Out of State Buyers - Cash or Certified Check Only.

NEW HOLLAND The Action Auction

AUCTIONS make the difference in auctions!

NEW HOLLAND makes the difference in marketing livestock!

MONDAY'S AUCTION

8 00 A.M. - Fat Hogs
 10 00 A.M. - Horse Sale
 11 00 A.M. - Hay, Straw & Ear Corn
 1 30 P.M. - Fat Steers, Bulls, Cows & Veal

WEDNESDAY'S AUCTION

12 00 Noon - Dairy Sale
 1 30 P.M. - Feeder Pig Sale

THURSDAY'S AUCTION

11 00 A.M. - Beef Sale
 Order of Sale, Bulls, Fat Steers, Cows, Veal
 3 30 P.M. - Calf Sale

NEW HOLLAND SALES STABLES INC.

New Holland, PA
 Abram W. Dittenbach, Manager
 Phone 717-354-4341

B&R CATTLE CO.

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RON RANCK

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1 mile East of Fredericksburg along Route 22

PHONE:

JONESTOWN
865-2881

Sale every Tuesday at 1:30 P.M. starting with feeder cattle and pigs.

Also Hay Sale every Tuesday at 12:30.

VINTAGE SALES STABLES, INC.

Sale Every Tuesday & Friday 11 A.M.

Slaughter Cattle Auction - Steers, Bulls, Heifers, Cows, Feeder Cattle.

(no calves or sheep Friday)

Get calves in early. We start to grade and weigh at 2:30.

Sale Every Wednesday & Saturday - 9 A.M.

Hog Sale

Starting Friday, October 16 for Hay and Straw Sale.

4 possum bellied trailers available for long distance and local hauling

Business Phone
717-768-8204

Home Phone
215-458-5060

L. Robert Frame, Manager
 Box 100 Paradise, PA
 10 miles East of Lancaster on Rt. 30



Hog Markets

Indianapolis Hogs

Tuesday, Dec. 22
HOGS: 900 - Barrows & gilts moderately active, 1.50-2.00 lower. US 1-2 220-245 lbs. 40.75-41.00. SOWS: Not well tested. (6%). US 1-3 Lot 510 lbs. 35.50. BOARS: Scarce.

St. Louis Hogs

Tuesday, Dec. 22
Report supplied by USDA
HOGS: 6000 - Barrows & gilts very slow, 1.00-1.50 lower. Limited early sales US 1-2 200-240 lbs. 40.50-41.00, late 40.00-40.50; US 1-3 230-260 lbs. 39.50-40.00. SOWS: 2.00-2.50 lower. (About 10%). US 1-3 300-500 lbs. 32.50-34.00; Over 500 lbs. 36.00-38.00. BOARS: Over 250 lbs. 30.50.

Peoria Hogs

Tuesday, Dec. 22
Report supplied by USDA
HOGS: 5000 - Barrows & gilts slow, early 1.00-1.50 lower, some volume 40.00-40.50, late sales mostly 39.50. US 1-2 200-240 lbs. 40.00-41.00, US 1-3 200-240 lbs. 39.00-40.00. SOWS: 1.50-2.00 lower. (20%). US 1-3 350-425 lbs. 32.50-33.00, few 33.50; 425-500 lbs. 33.50-35.00; 500-650 lbs. 35.00-36.00, some 36.50. BOARS: Over 350 lbs. 30.50; under 350 lbs. 32.00-34.00.

Lancaster Hogs

Monday, Dec. 21
Report supplied by auction
HOGS: Barrows and gilts 1.00-2.00 higher; sows 3.00-4.00 higher. BARROWS AND GILTS: US 1-2 200-245 lbs. 44.25-45.00; US 1 205-250 lbs. 45.00-46.00, few Selected 36.50-47.00; US 1-3 210-260 lbs. 43.75-44.25; US 2-3 215-260 lbs. 42.50-43.75. SOWS: US 1-3 300-450 lbs. 32.00-34.00; 450-500 lbs. 33.50-35.00; 500-650 lbs. 34.50-36.50, few 37.00.

Special Feeder Pig Sale

Farmville, Va.
Friday, Dec. 18
Report supplied by VDA
There were 1500 head sold.
US 1-2 30-40 lbs. 58.50; 40-50 lbs. 59.75; 50-60 lbs. 54.00; 60-70 lbs. 49.25; 70-84 lbs. 45.00; 85-100 lbs. 40.50.
US 3: 30-40 lbs. 57.00; 40-50 lbs. 50.00; 50-60 lbs. 50.00; 60-70 lbs. 45.00; 70-84 lbs. 42.50.
UT & US 4: 30-40 lbs. 40.50; 40-50 lbs. 43.50; 50-60 lbs. 40.00; 85-100 lbs. 38.00.

New Holland Hogs

Monday, Dec. 21
Report supplied by USDA
Today 1478
Last Monday 1266
Last Year 1468
TREND: Compared to last Monday barrows and gilts firm to 25 higher, instances 50 higher.
BARROWS AND GILTS: US 1-2 200-245 lbs. 43.75-44.85, Mainly 44.35-44.60. US 1 210-260 lbs. 44.50-45.25, Few 45.50-46.85.

Lancaster Hog Auction

Tuesday, Dec. 22
Report supplied by auction
TODAY 459
LAST TUESDAY 203
TREND: Compared to Monday barrows and gilts 1.00-1.50 lower.
BARROWS AND GILTS: US 1-2 200-240 lbs. 43.00-43.50. US 1 210-250 lbs. 43.75-44.50, Few 45.00-45.50.

East Coast Carlot

Monday, Dec. 21
Report supplied by USDA
Compared to Friday's close: Prime special fed veal 7.00 to 10.00 lower in limited trading. Good and Choice boning veal steady in narrow test.

VEAL CARCASS

Prime (Special Fed)

HIDE-ON

125 Head

180-240 lbs. 158.00-160.00 LTD 7.00 to 10.00 lower, few 155.00.
BONING TYPE
HIDE-ON
Good & Choice
Northeastern Suppliers: All steady, 65-75 lbs. LTD 79.00-80.00, few 78.00; 55-64 lbs. LTD 77.00-78.00, few 76.00; 45-54 lbs. 75.00-76.00, few 74.00; 35-44 lbs. 73.00.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter — Wednesday, Dec. 22
Report supplied by USDA Estimated Daily Livestock Slaughter Under Federal Inspection

CATTLE	CALVES	HOGS	SHEEP
This Week	247,000	23,000	684,000
Last Week	241,000	21,000	711,000
Last Year	232,000	18,000	699,000

Market courtesy of USDA.

Chicago Grain Futures

(Closing Bids as of Tuesday Dec. 22)

	Corn	Wheat	Soybeans	Soybean Meal
Jan.	—	—	6.09 3/4	182.50
Mar.	2.66 3/4	3.83 1/2	—	184.50
May	2.75 3/4	3.91 3/4	6.38 3/4	187.40
July	2.80 3/4	3.93 3/4	6.51	—

Trend - Corn is higher, Wheat is higher, Soybeans are higher, Soybean Meal is higher.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Tuesday, Dec. 22)

Chicago Chicago New York
Cattle Hogs Maine
Potatoes

Feb.	55.87	40.30	—
Apr.	54.84	38.90	7.84
June	55.60	—	—
July	—	42.65	—

Trend - Cattle are lower, Hogs are higher. Potatoes are lower.

Market Provided
by Commodity Department
Dean Witter Reynolds, Inc.

USDA reduces Medfly spray areas

WASHINGTON, D.C. — The number of square miles in California under aerial pesticide treatment for Mediterranean fruit fly has been reduced to reflect progress made in eradicating the pest, U.S. Department of Agriculture officials said.
"We've dropped the areas with no recent fly finds from our treatment blocks," said Harvey L. Ford, deputy administrator of USDA's Animal and Plant Health

Inspection Service, which manages the program with California's Department of Food and Agriculture.

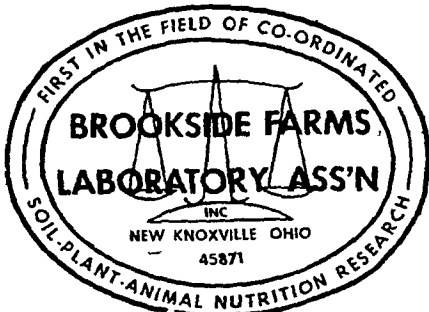
According to Ford, about 210 square miles will still be sprayed over the winter months, but on a 2-week schedule, rather than weekly. About 1,300 square miles were under treatment in California at the height of the infestation last summer.

"In addition, some other program elements will be scaled down to reflect the seasonal decrease in fly activity," he said. According to Ford, close to 100,000 Medfly traps remain in the state. Those in areas of recent fly finds will be serviced weekly, as before, while others will go on a 2-week schedule.

"Barring unexpected finds, we will remain on these treatment and trapping schedules until warmer temperatures trigger increased fly activity in the spring," he said. "At that time, we may pick up flies in scattered locations, and if conditions dictate we will adjust program operations accordingly."

Ford said people still need to comply with regulations on movement of Medfly hosts.

"Public cooperation has been much improved lately," he said. "One reason may be that less host fruit is available, but I hope it also means people have a better understanding of why they mustn't carry the fruit out."



National Reputation — Local Service

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Conowingo, MD
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SHOTZBERGER LIVESTOCK TRANSPORTATION

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Best Time to Call
Saturday Morning
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Christmas blessings



to all our friends from the staff of

J. M. HOOBER INC.

LIVESTOCK BROKERS

"Dave" Witmer "Mel" Horn "Warren" Buch
"Paul" Albright "Red" Ebersole "Burnell" Siegrist
"Christ" Landis "Paul" Eberly "Ralph" Weller
"Mart" Eberly "Dick" Hooper "Kenny" Wenger
"John Jr." Hooper "Dick" Hooper "Cheryl" Pentz
"Gene" Ellis

The Bottom Line

As everybody knows the bottom line represents your profit or loss, and at WALTER M. DUNLAP AND SONS we do all we can to enhance your profit or minimize your loss.

How do we do it?

The answer is in the way all livestock consignments are expertly sorted and handled whether those consignments are fat cattle, veal calves, feeder pigs or fat hogs.

The result is LESS SHRINK.

First of all, every consignment of feeder pigs, veal calves and fat hogs is weighed upon arrival. So, with LESS SHRINK, and at present prices, this means MORE DOLLARS for you the consignor.

Secondly, all fat cattle are assigned large pens and each consignment is kept separate. With large airy pens and water available the result is LESS SHRINK.

And just one more matter of importance — There is no waiting at the docks to unload.

What does all this add up to?

The bottom line is LESS SHRINK and more dollars to you the consignor.

NOTICE:

Our Regular Hog Sales Will Be Held Sat., Dec. 26 & Sat., Jan. 2

NEXT FEEDER PIG SALE
Tuesday, December 29, at 1:00 PM

Walter M. Dunlap and Sons
Lancaster Stockyards
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Poultry Markets

Weekly New York Egg Market

	From Friday, Dec. 18 to Dec. 23		
	Fri.	Mon.	Tues.
WHITE			
Jumbo	79	79	79
Ex Large	77	77	77
Large	76	76	76
Mediums	72	72	72
Pullets	60	60	60
BROWN			
Jumbo	97	97	97
Ex Large	91	91	91
Large	89	89	89
Mediums	Unquoted		
Pullets	Unquoted		
Peewees	Unquoted		
Off Grade			
Large	68	68	68
Checks	38	38	38

Tone: Buying interest improved. Supplies ample. Market steadier.
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Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight	Dec. 22
	Per Case	Tuesday
Class 1 - Large	48 lbs.	59½
Class 2 - Large	45 lbs.	57
Class 3 - Medium	42 lbs.	54
Class 4 - Small	39 lbs.	47½
Breaking Stock	48 lbs.	46
Checks	48 lbs.	41

Delmarva Poultry

Tuesday, Dec. 22
Report supplied by USDA
Today's L.T.L. asking prices fairly steady on U.S. Grade A at 42-46 cents.
Estimated slaughter of broiler fryers in Delmarva (000).
Estimated 12/22 1610; Actual 12/15 1746; Actual 12/18 1012; Average Weights 12/18 3.80; 12/11 4.02.

Baltimore Eggs

Tuesday, Dec. 22
Report supplied by USDA
Cartoned Eggs: Prices to retailers, state graded (min one case sale) white.
Grade A Large 76-81
Grade A Medium 72-77

Eastern Pa. & N.J. Poultry

Wednesday, Dec. 23
Report supplied by USDA
Prices Paid at Farm:
Light Type Hens: 9-10, mostly 9½-10.
F.O.B. Plant: 11-12, mostly 11½-12.
Heavy Type Hens: TFR.

N. E. Weekly Shell Egg Report

	Tuesday, Dec. 22 Report supplied by USDA			
	Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:			
	Ex. Large	Large	Medium	Small
MASS. X	92-100	90-98	85-93	60-68
Mostly	94-98	92-96	87-91	62-66
N. HAMP.	87-93	85-91	80-86	55-61
Mostly	89-92	87-90	82-85	57-60
R.I.	96-97	94-95	89-90	64-65
VERMONT	94-103	92-100	87-96	-
Mostly	96-97	94-95	89-91	-
MAINE	92-94	90-92	85-87	60-62

X Includes Central and Western Sections only.

New York Multiple Drop Broiler Report

Tuesday, Dec. 22
Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.
RANGE: U.S. Grade A 40-43½; Premium (X) U.S. Grade A 44-46.
WTD. AVG.: U.S. Grade A 43.15; Premium (X) 45.79.
(X) Includes special services, selected competitive brands, etc.

Philadelphia Eggs

Wednesday, Dec. 16
Report supplied by USDA
Prices unchanged. Cartoning demand fairly good. Offerings irregularly distributed but generally fully adequate for call. Undertone fully steady to firm.
Prices to Retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:
A Extra Large 76-78; A Large 75-77; A Medium 70-72.

Central U.S. Carlot

Monday, Dec. 21
Report supplied by USDA
Compared to Tuesday's 4:00 report: Not enough sales of steer and heifer beef to fully test trends, few loads firm. Trading and demand light, supplies moderate but current. The boxed beef carcass cutout value advanced \$.56 to an estimated \$97.89 per cwt. Sales reported on 17 loads of steer and heifer beef.

STEER BEEF

4 Loads
FOB Omaha Basis
Choice 3: 600-900 lbs. 95.00 firm.
HEIFER BEEF
13 Loads
FOB Omaha Basis
Choice 3: 550-700 lbs. 93.00 firm.
Good 2-3: 550-700 lbs. 91.00 firm.
Cow beef prices very uneven and erratic, steady to 1.50 lower. Trading and supplies moderate.

COW BEEF

17 Loads
FOB Amarillo Basis
Brkg Utility 3-4: 450/up lbs. 66.50 (West), 1.00 lower.
Bng Utility 3-4: 450/up lbs. 67.00 (Midwest) about steady.
Bng Utility 1-2: 400/up lbs. 70.00-70.50 (Midwest), 1-1.50 dn.
Cnr & Cutter 1-2: 350/up lbs. 74.00-78.00 (Midwest), about stdy.
FOB Amarillo Basis
Brkg Utility 3-4: 450/up lbs. 67.50 (West).

BULL BEEF

1 Load
FOB Omaha Basis
Bull 1-2: 500/up lbs. 84.00.
PRIMAL BEEF CUTS
2½ Loads
FOB Omaha Basis
HINDS (S): 145-190 lbs. 103.50.
SHORT PLATES: 43.00.
BRISKETS: 49.00.
BONELESS PROCESSING BEEF/BEEF TRIMMINGS
3 Loads
FOB Omaha Basis
90% chem lean fresh 108.00 late Friday.
75% chem lean frozen 82.50.
50% chem lean fresh 43.00.
Compared to Friday's 4:00 report: Fresh pork loins not established. Skinned hams mixed 20/dn lbs. steady to 2.00 higher, 20/up lbs. steady to 2.00 lower. Sdls bellies steady to 1.50 higher. Trade very light except hams moderate. Demand light. Sales reported on 23½ loads plus 5 loads of trimmings.

FRESH PORK CUTS

LOINS: 14-17 lbs. 85.50; 17-22 lbs. 79.75 clear channel.
PICNICS: 4-8 lbs. 48.50, 2.00 higher.
SKINNED HAMS: 14-17 lbs. 89.00 steady; 17-20 lbs. 84.00-88.00, steady-2.00 higher, late 86.00-88.00; 20-26 lbs. 79.00-82.50, uneven; 26/up lbs. 63.00, 2.00 lower.
BELLIES, SDLS: 10-12 lbs. 42.00 steady; 12-14 lbs. 48.50-49.00, steady-50 higher; 14-16 lbs. 48.00-50.00, steady-1.50 higher; 20-25 lbs. 39.00, 1.00 higher.

PORK TRIMMINGS BONELESS PROCESSING PORK (Chemical Lean)

42% lean trimmings fresh 32.50.
72% lean trimmings fresh 61.00 steady.
72% bnl picnics frozen 67.50.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, Dec. 19

Report supplied by auction
STOCKER, FEEDER, AND SLAUGHTER CATTLE: Good Light Steer Calves 50.00-55.00; Medium 45.00-49.75; Plain 44.00 and down; Good Heavy Steers 50.00-55.00; Medium 45.00-49.75; Plain 44.00 and down; Holstein Steers 42.50-45.75; Good Light Heifer Calves 47.00-52.00; Medium 42.00-46.75; Plain 41.00 and down; Good Heavy Heifers 40.00-43.50; Medium 35.00-39.75; Plain 34.00 and down; Slaughter Cows 43.00-49.00; Utilities 38.00-42.75; Cutters & Cannors 37.00 and down; Milk & Stock Cows Not enough to quote; Stock Bulls 44.75 and down; Slaughter Bulls 48.75 and down.
CALVES: Veal Calves 84.00 and down; Baby Calves 57.00 and down.
SHEEP & LAMBS: Choice Blue O 47.50; Good Red O 42.00; Feeder Lambs 39.50-43.25; Slaughter Ewes 12.00 and down.
HOGS: Top 42.00; Medium 32.00; Light 32.00; Sows 32.00-38.50; Boars 27.75; Butcher Hogs 34.00-37.75.



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Subscription Price.
\$7.50 per year; \$13.00 - 2 years
\$12.00 per year outside of
PA, NJ, MD, DE, NY, VA & WV

Established November 4, 1955
Published every Saturday
by Lancaster Farming, Lititz, PA
Second Class Postage paid at
Lititz, PA 17543 USPS 304 040

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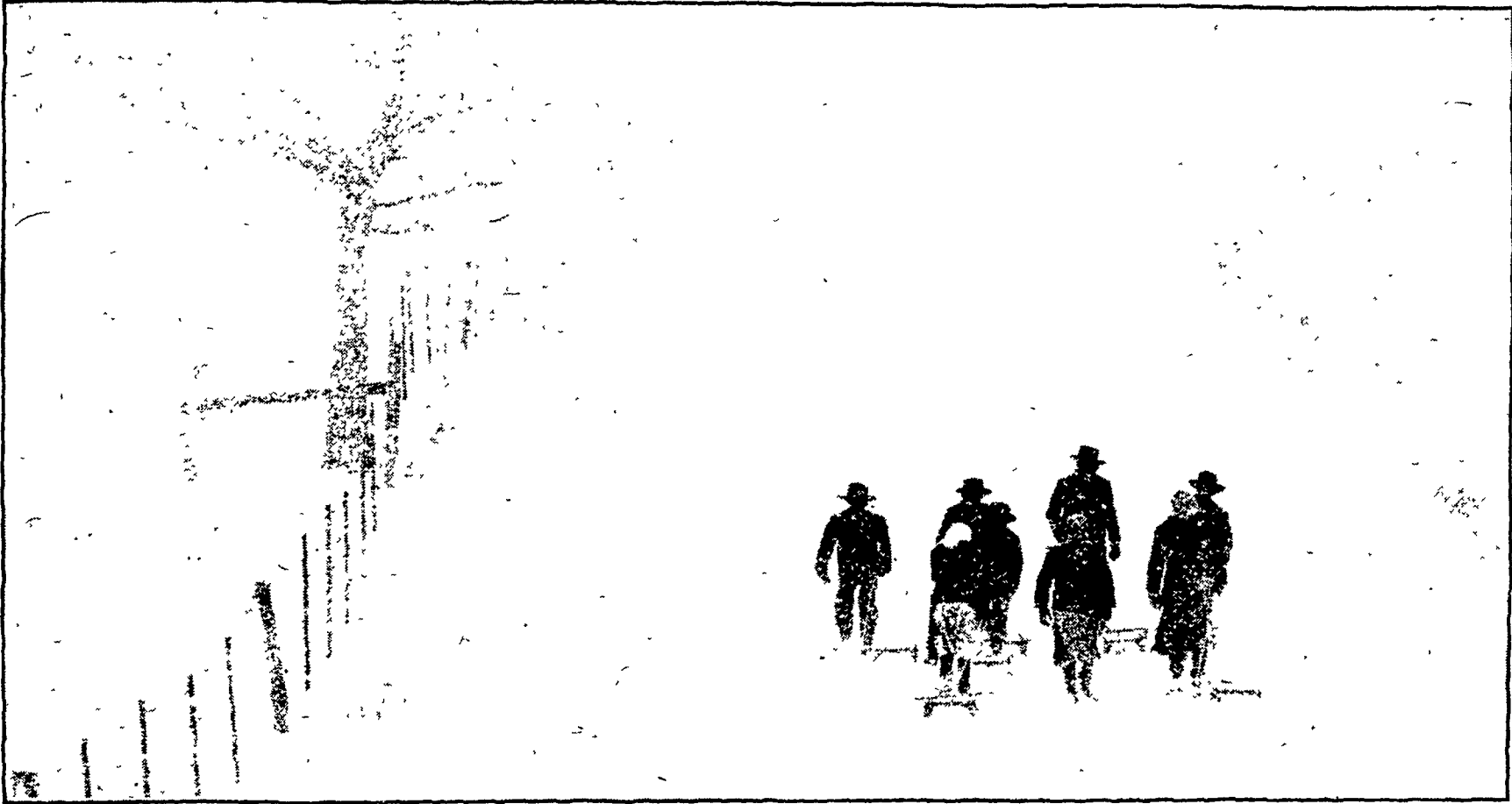
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Livestock market and auction news

Hay Markets

Regional Hay

Friday, Dec. 18

Report supplied by PDA
(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay and Straw steady.
Alfalfa 95.00-110, few 80.00;
Mixed hay 75.00-85, few 65.00;
Timothy hay 60.00-85.00; Straw
40.00-50.00; Mulch 35.00-45.00.

Green Dragon Hay

Ephrata, Pa.

Friday, Dec. 18

Report supplied by PDA
35 Loads Hay and 10 Loads
Straw.

Alfalfa 100.00-165, mostly 125.00-146; Mixed hay 87.00-168, mostly 106.00-125; Timothy hay, few 88.00-116; Straw 62.00-77.00; Ear Corn, 6 loads 72.00-79.00; Corn Fodder, individual 65.00; Shelled Corn, one load 2.75 per bu.

New Holland Hay

Monday, Dec. 21

Report supplied by auction
162 loads.

#1 Alfalfa 125.00-155.00, medium 100.00-125.00; #1 Mixed 120.00-150.00, medium 100.00-125.00; #1 Timothy 115.00-130.00, medium 97.00-115.00; Clover 96.00-120.00; two loads rain-damaged or moldy hay 70.00-90.00; Straw clean and bright 65.00-75.00, high 84.00, low 45.00; Corn Fodder 55.00-60.00; Firewood 47.00-95.00 load.

Pa. Grain

Monday, Dec. 21

Report supplied by PDA
Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn steady to 5 cents higher; Wheat unevenly steady; Barley steady to strong; Oats steady to strong, instances 10 cents higher; New Ear Corn steady to strong.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.60-2.80, few reported 2.50, average 2.68; Wheat No. 2 range 3.25-3.75, average 3.49; Barley No. 3 range 2.15-2.25, average 2.23; Oats No. 2 range 1.95-2.25, average 2.07; Soybeans No. 1 range 5.66-6.00, average 5.81; Grain Sorghum #2 range 2.10, average 2.10; New Ear Corn range 60.00-75.00, average 67.39.

Central Pa.

Corn No. 2-y range 2.40-2.75, average 2.56; Wheat No. 2 range 3.15-3.50, few reported 3.95, average 3.40; Barley No. 3 range 2.00-2.25, average 2.10; Oats No. 2 range 1.65-2.00, average 1.82; Soybeans No. 1 few reported range 5.50-5.75, average 5.63; Grain Sorghum No. 2 range 2.20-2.25, average 2.23; Buckwheat range 9.00-10.00, average 9.50; New Ear Corn range 54.00-62.00, average 59.56.

South Central Pa.

Corn No. 2-y range 2.45-2.60, average 2.53; Wheat No. 2 range 3.10-3.40, few reported 3.75, average 3.30; Barley No. 3 range 2.05-2.20, few reported 2.80, average 2.29; Oats No. 2 range 1.90-2.15, average 2.01; New Ear Corn range 55.00-70.00, average 62.25.

Western Pa.

Corn No. 2-y range 2.40-2.50, average 2.51; Wheat No. 2 range 3.00-3.20, average 3.08; Barley No. 3 range 2.15-2.20, average 2.18; Oats No. 2 range 1.80-2.00, average 1.92; Buckwheat range 8.50, average 8.50.

Southeastern, Central & South Central Summary

Corn No. 2-y range 2.45-2.80, average 2.61; Wheat No. 2 range 3.15-3.75, average 3.45; Barley No. 3 range 2.00-2.25, average 2.20; Oats No. 2 range 1.70-2.20, average 1.95; New Ear Corn range 55.00-75.00, average 63.70.

Kiesters Hay

Wednesday, Dec. 23

Report supplied by auction
8 loads.
Mixed 76.00-102.00; Alfalfa 102.00-122.50; Straw 50.00-56.00.

Eighty-Four Livestock

Eighty-Four, Pa.

Monday, December 21

Report supplied by PDA

CATTLE 202: Compared with last Monday's market, slaughter steers 1.00-2.00 higher. Slaughter cows 2.00-3.00 higher. Good slaughter steers 55.00-58.00, Standard 50.00-55.00, few Utility 45.00-47.50. Individual Choice slaughter heifer at 56.50, Utility 40.00-44.00. Utility & Commercial slaughter cows 38.00-42.75, one 45.00, Commercial 4-5 36.00-40.25, Cutters 35.00-38.50, Canner & Low Cutters 26.50-35.00, Shells down to 20. Few Yield Grade #1, 1300-1600 lbs. slaughter bulls 45.50-51.00, few #2 1300-1550 lbs. 43.00-44.50. Medium Frame #1, 400-700 lbs.

feeder steers 48.00-56.50. Medium Frame #1, 300-500 lbs. feeder heifers 37.50-44.00. Large Frame #2 300-800 lbs. feeder bulls 37.00-42.00.

CALVES 318: Vealers grading Good and Choice strong to 1.00 higher, Standard & Good 2.00-3.00 higher. Few choice vealers 86.00-102.00, Good 65.00-80.00, Standard & Good 110-130 lbs. 55.00-68.00, 90-110 lbs. 48.00-57.00, 60-85 lbs. 39.00-48.00, few Utility 50-80 lbs. 33.00-40.00. Farm Calves: Hol. Bulls 90-125 lbs. 70.00-86.00. Good & Choice 250-350 lbs. slaughter calves 50.00-64.00.

HOGS 114: Barrows and gilts steady. US No. 1-2 215-220 lbs. barrows and gilts 42.00-42.30, lot 43.50, No. 1-3 200-255 lbs. 40.75-41.75, US No. 1-3 300-660 lbs. sows 35.00-39.00. Couple Boars 29.25 & 38.00.

FEEDER PIGS 35: US No. 1-3 50-85 lbs. feeder pigs 23.00-30.00 per head, few Utility 25 lbs. at 8.50 per head.

SHEEP 123: Woolled slaughter lambs 50-100 higher. Choice 80-90 lbs. woolled slaughter lambs 49.50-52.00, Shorn 65-85 lbs. 50.25-53.50, Good 80-85 lbs. 47.00-49.00; Good 55-80 lbs. feeder lambs 43.00-45.00. Few Slaughter ewes 15.00-18.00.

New Wilmington Auction

Monday, December 21

Report supplied by PDA

CATTLE 170: Compared with last Monday's market, slaughter cows \$4-\$5 higher. Individual Choice slaughter steer at 61, couple Good 56.00 & 56.50, Standard 43.50-50; few Utility 39-41.50. Individual Choice slaughter heifer at 57.00, Good 45.50-49.75, Standard 38.50-44.50. Utility & Commercial

slaughter cows 40.00-45, Cutters 37-41.75, Canner & Low Cutters 30.00-37, Shells down to 25. Few Yield Grade #2, 950-1320 lbs. 38-43.75, #1 few, 960-1795 lbs. 45.00-50.75. Few Medium Frame #1-2, 300-540 lbs. feeder steers 40-48.50.

CALVES 313: Vealers unevenly steady. Choice 90.00-101, Good 75.00-90, Standard & Good 110-135 lbs. 54.00-60, 90-110 lbs. 45.00-54, 65-85 lbs. 25.00-46, Utility 45-85 lbs. 10.00-25. Farm Calves: Hol. Bulls 100-125 lbs. 72.50-97; Hol. Heifers 85-125 lbs. 47.50-70.

HOGS 524: Barrows and gilts 75 cents to \$1 higher. US No. 1-2 210-245 lbs. barrows and gilts 41.70-43.40, No. 1-3 2-250 lbs. 40.80-41.80, No. 2-3 205-285 lbs. 37.00-41. Sows mostly \$2 higher. US No. 1-3 280-590 lbs. sows 34.00-41, No. 2-3 350-550 lbs. 30.00-35. Boars 27.00-31.

FEEDER PIGS 51: US No. 1-3 20-35 lbs. feeder pigs 20.50-39 per head, No. 1-3 35-50 lbs. 40.00-47 per head.

SHEEP 77: Choice 90-110 lbs. woolled slaughter lambs 48.00-60, few 70-85 lbs. 60.00-64, few Good 60-85 lbs. 40.00-45.00.



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Plant modification may hold key to increasing food production

COLLEGE PARK, Md. — It's like trying to find a genetic needle in a haystack, but it could hold one of the keys to feeding a growing world population showing no signs of losing its appetite.

Isolating and genetically inducing beneficial plant mutations could give us disease-resistant food crops in the future or even produce the world's first tomato capable of growing in soil now considered unfit to support life, according to a botany researcher for the Maryland Agricultural Experiment Station.

But reaching down, in a manner of speaking, into the genetic coding of agricultural food crops and producing selectively just the right mutation to accomplish this has been a hit-or-miss proposition in the past, says MAES genetic researcher Paul Bottino.

Bottino says his studies at the

University of Maryland, College Park, may enhance the odds enough so that someday researchers possibly could produce specific beneficial mutations at will to surmount any number of obstacles Mother Nature has placed before agriculture's efforts to increase food production.

"Nature may produce a better corn or soybean plant through its own mutation process, but the odds of that are at best maybe one-in-a-million," Bottino says.

"If, on the other hand, we are able to induce artificially a mutation at the cellular level for, say, a tomato plant capable of growing in salt-laden soil, then we've come a long way in changing those odds in our favor."

Specifically, Bottino's work involves a sleuth's campaign to find individual mutagens — or mutation-causing agents — that

will produce mutations in high frequencies. The work is geared toward genetically engineering mutations to make plants more tolerant to environmental stress such as disease and toxic substances in the soil and environment.

Increased disease resistance and the ability to raise food crops on land considered marginal for crop production may take researchers a long way toward moving agricultural food production a quantum leap beyond its present pace.

Bottino says his current work differs from previous efforts to produce beneficial mutations in that this study moves from the chancy whole-plant level down to the cellular level.

Once a proper mutagen is found to produce mutations, the single cell or group of cells is nourished in an artificial selective environment where only the mutations can reproduce, giving their offspring genetic coding identical to the parent cells.

This form of genetic

manipulation, says Bottino, can carry the mutation all the way back to the plant level where the newly-created mutant plant can, in turn, pass its mutation genetically through its offspring.

"Horticulturists, as well as geneticists like me, are interested in this technique because of all the

potential benefits," says Bottino. "And although it falls short of replacing classical plant breeding methods, genetic manipulation in cell culture can develop new plant types in one chemical step that breeders could use in developing new varieties through traditional breeding methods."

Sunflower meal offers protein substitute in poultry rations

WASHINGTON, D.C. — Dehulled and defatted high fiber sunflower seed meal (SSM) offers an effective protein substitute for soybean meal, fish meal, meat and bone meal, and other high protein materials, according to James L. McNaughton, Agricultural Research Service, research nutritionist for the South Central Poultry Research Laboratory.

"SSM's usage is especially important when low-protein complete diets are desirable for mature poultry—for instance, commercial layers, turkey and broiler breeders, and commercial egg-type pullets," says McNaughton.

McNaughton reports that using dehulled, defatted sunflower meal containing 36 to 38 percent protein will satisfy the protein requirements of commercial layers and broiler hens. He sees SSM as more valuable in layer diets than in broiler diets and its use is accompanied by a reduction in levels of soybean meal and methionine (an amino acid) and increases in the level of fat.

To determine the effectiveness of high-fiber SSM as a replacement for soybean meal, two experiments were conducted using commercial laying hens to evaluate replacing 33, 66, and 100 percent protein from soybean meal with high-fiber SSM

(36.1 percent protein).

Neither body weight change, egg production, egg weight, nor eggshell breaking strength was affected by the addition of SSM, McNaughton reports.

Data from the two experiments indicate that SSM may replace 100 percent soybean meal without adversely affecting laying-hen performance.

In practical broiler diets, the maximum amount of SSM tolerated by broiler chicks without adversely affecting broiler performances, appears to be 15 percent in all mash diets and 30 percent in pelleted feeds.

Laying hens may tolerate as much as 100 percent replacements of supplemental protein, such as soybean meal, by sunflower meal. Although feed consumption tends to increase when using high-fiber SSM, this factor must be considered when evaluating economical alternatives.

McNaughton cautions that when formulating broiler, broiler-breeder, laying-hen and turkey diets, it is important to remember that SSM is relatively low (1.02 to 1.78 percent) in lysine, protein's most important amino acid in the poultry diet. Therefore, improving low-lysine sunflower meal with synthetic lysine is one possible economical consideration.

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Scientists are gaining on grass yield barrier

COLUMBIA, Mo. — Scientists have edged a little closer toward cracking the yield barrier in the grasses that support much of this nation's livestock industry.

"At least we now know some tall fescues grow better than others," Jeff Volence, University of Missouri-Columbia agronomist, told the American Society of Agronomy recently.

"Half the reason some fescues' leaves grow more rapidly is because of larger cells; the other half is because they produce more cells."

"Leaves are the major part of yield in the summer and fall, periods when more yield would be desirable."

Volence said the key area of the plant that contributes to rapid growth is the meristematic region, the base of the plant just above the ground from where the leaf is lengthened and pushed up. (To see one of these close to home, just look at your lawn grass.)

Maximum growth rate of leaf cells with the meristem is determined by the genetic difference between plants.

That growth rate is partially

related to sheath length. The sheath is the whorl of previously formed leaves that wraps around the meristem.

The discovery that the sheath influences fescue growth is a relatively new finding. "It's only been reported in the scientific literature the last few months, but that was with a different grass," said Jerry Nelson, UMC agronomist who directed Volence's research program and who has been making basic studies of fescue growth for the past 15 years.

"Our thrust into basic research on leaf growth has drawn attention from many parts of the world," Nelson said, "the leaf growth concept has been a major breakthrough in terms of developing new varieties."

"Our ultimate aim is to improve the yield of tall fescue. Now that we know the mechanics, we hope to produce plants that have both high leaf elongation and high photosynthetic efficiency."

Another UMC agronomist, David Sleper, has selected grasses with long leaves, and is trying to develop higher producing fescues through selection and breeding.

Sleper has also selected those with short leaves which have more potential for such things as turf. John Dumm, UMC horticulturist, is incorporating them into his research program, because these fescues are slow growing, short and darker green than other fescues.

Nelson's main concern is to combine plants with higher photosynthetic rate with those which tend to grow faster and increase yields. However, he said, plants with high photosynthetic rates usually produce smaller cells, thus having small leaves and therefore, lower yields.

So he's turned to Douglas -

Randall, a UMC biochemist, to evaluate polyploid fescues which have 70 chromosomes instead of the normal 42. These polyploids have both large cells and high photosynthetic rate and are being used by Sleper in his breeding program.

Nelson and his colleagues admit that the odds are slim that they will break the yield barrier in tall fescue. But they are slowly acquiring enough basic knowledge so that the possibility of pulling

this off has never been better.

"We know now that we can increase yield by increasing leaf size. But high photosynthesis is still a key," Nelson said.

"It took us 15 years to develop the basic information and to see how all this works."

Then he smiled and added, "Come back in a few years. By then we should have plants with the ability to produce energy and have proper growth mechanics to use it."



THE OLD FARMER'S ALMANAC

DEC. 28, 1981-JAN. 3, 1982
Frosting of snow makes angels glow.

Begin the New Year square with every man... John D. Rockefeller organized Standard Oil Jan. 2, 1882... First quarter of the moon Jan. 2 (Sat)... Average length of days for the week, 9 hours, 6 minutes... YMCA first organized in Boston Dec. 29, 1851... Wise men talk because they have something to say; fools because they have to say something (Plato)



Ask the Old Farmer: I found a letter from an uncle who was mate on a ship out of Boston in 1869. While on shore leave he wrote to his younger brother: "We are all pretty well, only troubled with 'The Flying Axehandle' some." What was that? F.R., New Bedford, Mass.

Same as logus of the bogus, or backyard trot, gripping of the gizzard, etc.
Home Hints: Avoid using water or waterbased products whenever possible in cleaning wood floors. Water can seep down into the tight boards, causing warping or swelling.

OLD FARMER'S WEATHER FORECAST
New England: Snow, seasonable temperatures through midweek, colder, with flurries, for weekend
Greater New York-New Jersey: Partly cloudy and cold, then rainy, warmer, sunny and cold midweek, weekend brings sleet, snow in mountains
Middle Atlantic Coastal: Rain, sleet, and snow continue until midweek; cloudy and cold at week's end, with flurries
Piedmont & Southeast Coastal: Week begins with rain, heavy snow in mountains, cold, light snow, hard frost through weekend.

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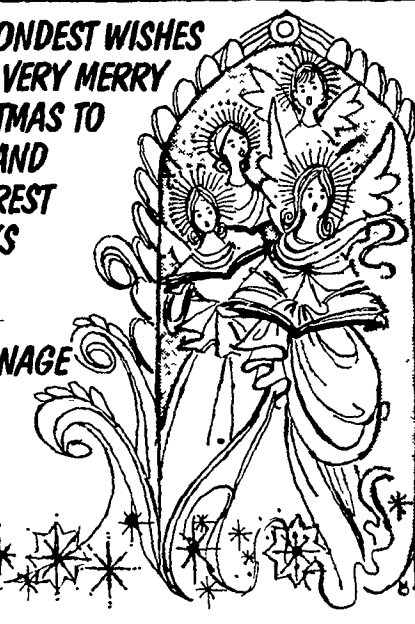
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WALTER M. DUNLAP AND SONS

Plant uptake of PCBs from sludge poses little health hazard

WOOSTER, Ohio — More and more U.S. cities are disposing of municipal waste by applying stabilized sewage sludge on crop and pastureland.

In Ohio, where an estimated 30 percent of all municipal sludge is disposed of through land application, a study has shown that plant uptake of polychlorinated biphenyls (PCBs) is very small. The research indicated little risk of human or animal health hazard from PCB-contaminated sludge materials applied on cropland if published guidelines for application are followed.

Robert H. Miller, research agronomist for the Ohio Agricultural Research and Development Center and Ohio State University, reported results of the Ohio investigation during the annual meeting of the American Society of Agronomy.

Miller said the study was established because of concern that animal and human health could be affected by consumption of feed or grown on soils which had received applications of sewage sludge containing PCBs. Although the carcinogenic PCBs are no longer used in electrical transformers, plastics, and other manufactured goods, the compounds have persisted in the environment in some areas.

There have been no problems of

PCB contamination in municipal sludges produced in Ohio, Miller said. The highest levels of PCBs in any Ohio sludges have been in the range of only 3 to 5 parts per million (ppm). However, Ohio scientists wanted to determine stability of PCB's in the soil and detect any contamination of plants grown on land which had received various levels of PCBs in amended sludge.

Miller reported that any PCB in soil is very stable. The study showed that less than 1 percent of PCBs biodegraded over a 16-week test period. The rate of biodegradation of PCBs in soil was greater without the presence of sludge. Miller reasoned that the PCBs were apparently protected by the organic matter supplied by the sludge.

The study checked two possible mechanisms for plant contamination from sludge containing PCBs—uptake by the plant or leaf contamination from sludge applied when the plants were growing.

Miller reported that three rates of PCB contamination were studied—the lowest approximating the 3-5 ppm level which might occur in Ohio sludges and the highest rate well above any level likely to occur anywhere.

Stabilized sludge was applied to Kentucky 31 fescue, a common forage grass used for pasture and

hay. The studies showed that PCB uptake by the fescue from soil incorporated sewage sludge was so little (less than 1/100th of 1 percent) that it posed no health hazard for animals or humans.

It was a different story when contaminated sludge was surface applied during the growing season. Foliar application of sludge to established growth of fescue showed 350 to 1,000 times greater PCB contamination of the leaves than occurred through root uptake

Even if the sludge particles were washed off the plant (as if by a rainstorm) the level of PCB's remaining on the leaves was still 50 to 100 times greater than would result from root uptake.

To avoid this additional risk, Miller said sewage sludge should be applied to pasture or hay land before any regrowth has started after the crop has been closely grazed or harvested for hay. The Ohio scientist reported that land application of stabilized sewage

sludge to cropland in the Buckeye State has become acceptable and safe because cities are carefully following the guidelines developed by scientists and Extension specialists.

Miller was assisted in the research with PCB-amended sludge by Irida Robledo, a graduate research associate from Puerto Rico, who was completing the requirements for her M.S. degree from the Ohio State University.

Grain prices require close marketing look

WASHINGTON — Record U.S. feed grain crops and sluggish economic conditions here and abroad are hurting feed grain prices. Here are average farm prices expected this marketing year:

	1981/82	Last year
Corn (\$/bu.)	\$2.55-2.80	3.10
Sorghum	2.35-2.55	2.95
Barley	2.45-2.60	2.91
Oats	1.80-1.90	1.82

With prices this bearish, farmers will want to take special care to choose a marketing strategy that will yield the best possible returns. Also, recent changes in the tax laws should be taken into account.

National average loans rates for 1981 crops are: corn \$2.40 a bushel, sorghum \$2.28; barley \$1.95, and oats \$1.24. Rates for individual counties are likely to differ somewhat from these averages.

Loans are available from the county ASCS office through March 31 for barley and oats and through May 31 for corn and sorghum.

The interest rate is 14.5 percent through January 31. On February 1, the rate on existing loans and on new loans may be adjusted to more accurately reflect costs of borrowing from the U.S. Treasury. Regular price support loans may be repaid any time before maturity.

Regular loans provide immediate cash and allow time to assess the market or to hold grain for feeding later on. You may want to consider investing the cash at today's relatively high rates of interest, or pay off bills and loans.

The interest you would pay on the CCC loan would be a possible deduction on a tax return. Of course, interest earned from money invested may be taxed, but it could be well worth while to put a pencil to the various options and combinations.

Farmers can immediately enter their 1981 corn, sorghum, and barley crops into the farmer-owned reserve. If 1980 crops of

these grains are currently under a regular price support loan, they may be put into the reserve right away too.

Reserve loan rates for 1981 crops are higher than regular loan rates: corn is \$2.55 per bushel; sorghum \$2.42; and barley \$2.07. Farmers placing grain in the reserve receive annual storage payments of 26-1/2 cents a bushel, payable in advance.

Interest on the 3-year reserve loans is 14.5 percent, but interest charges are waived after the first year. As on regular nine-month loans, the interest rate may be adjusted on February 1. Current release levels at which grain may be removed from the reserve without penalty are \$3.15 a bushel for corn, \$3.00 for sorghum and \$2.55 for barley.

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Wednesday, Dec. 30 - Sales as

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Off the Sounding Board

By Sheila Miller, Editor

Stuck on the Christmas spirit

Thank goodness it's Christmas. This is the one season of the year when people try their best to be jolly and kind to their fellow men.

All around us there are people singing and smiling. Young children's faces are aglow as they wait in unabated excitement for the coming of Christmas morning and all the festively-wrapped presents under a decorated evergreen.

The snow that blanketed the ground this week adds its special touch to the holiday spirit with 'children' of all ages taking time out to do a little playing in the fluffy white flakes.

I'm glad it snows at Christmas time. The frozen 'present' from the heavens makes us all realize that there are still things in this world that we have no control over. We all just have to sit back and wait to see how many inches will be insulating our winter grain fields by morning.

With the coming of snow, people have to slow down and take it a little easier, regardless of their hectic schedules. Without pressing fieldwork to call us, we can all relax over a cup of hot chocolate and enjoy the beauty of the snow-covered hills and trees.

The winter weather gives us all the needed time to reflect on the true meaning of Christmas — as we trudge through calf-deep drifts or sit idling in vehicles, waiting as snowplows and cinder trucks clear the roads.

And, in the spirit of Christmas, people seem to be more patient and willing to be Good Samaritans to fellow travelers. I personally can attest to this phenomenon.

Last week as I was following up on a story in snow-covered Berks County, I managed to expertly plunge headlights-first into a deeply drifted driveway. Now, don't jump to conclusions and say "Lady Driver."

You see, the driveway was aimed in a north-south direction up a sloping hill. And with the east-west wind we were experiencing, the snow had blown a 'level' camouflage across

what I later found out was a low spot.

As my front tires began to sink, I knew I was in trouble. And with my back tires still on the highway, I futilely attempted to reverse the direction I was moving. Thanks to the snowpacked, icy conditions of the secondary road, my car just didn't have the gumption to back out.

Well, if the car wouldn't go backward, the only other choice was forward, right? That's what I thought, too, and decided to get the momentum I needed to buck my way out of my predicament.

As you've probably guessed, all I accomplished in this endeavor was to get my little blue car into deeper trouble — but at least I was totally off the road.

Just as I was beginning to despair my plight, help arrived in the form of a yellow highway truck followed by a compact brown Rabbit. Without a word, my 'rescuers' trudged toward the car, surveyed the situation, and took up their positions to the rear.

As I gave the accelerator the needed nudge, the suited businessman and the flannel-shirted public employee heave-ho'ed. With a whir and a whine, my little snowbound car was once again on the road, ready to try the next interviewee's lane.

Since I had to keep the car moving, I never did get to meet the two people who took the time to help me out of a bad situation. And, I never did get to thank them personally.

I suppose that's what Christmas is all about. Loving, caring and sharing our good will with others. My "thank you" to the two Good Samaritans on the road I'm sure was understood as I waved them a grateful goodbye.

During this season of sharing happy times with family and friends, may the spirit of Christmas be with you all. And, may God grant you safe traveling and a guardian angel as you gather together to celebrate this time of joy and love.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851



To Sort Tobacco

Tobacco stripping is underway in this part of the state and many hours will be spent removing the leaves from the stalk. The days of special handling and sizing seems to be over; however, it is still very important that growers sort the injured and ground leaves from the good tobacco. This will be required if the crop is being sold on grade. With some "pull off" crops this is less important. On the other hand, growers should be fair enough to sort out the undesirable leaves. If this is not done, the buyer will be unhappy and look elsewhere for their tobacco supplies. Some sorting is necessary with every crop, regardless of the method of selling.

To Take Inventory

An area of our operation that is very important at this time of year is inventory. With the close of the year most of our farmers close-out their records for the year. This means that if you are going to have a Farm Analysis made, you should take inventory of all your supplies. You'll need this to do any kind of farm analysis, because the amount of grain, hay and other supplies

that are in storage will vary from year to year, and unless this is taken into consideration, you cannot have an accurate analysis of your year's operation. So, as accurately as possible, record the amount of hay, grain, feeds, seeds and fertilizer that are on hand. This is the first step in an accurate farm analysis.

To Understand Firewood Volume Terms

Energy costs are continually going up and many people are using woodburning stoves as a means of reducing oil and gas use. This means buying more firewood.

It is a good idea to know what you are buying. Some firewood sellers may offer such "measurements" as face cord, rick, rank, stack, truckload or "pile" and buyers often believe they are getting a cord.

A "cord" is defined by Pennsylvania law as "the amount of wood which is contained in a space of 128 cubic feet when wood is ranked and well stowed". This means a neatly piled rank of wood 4 feet high, 4 feet wide, and 8 feet long. Those selling fuelwood are

naive under the law when they use the term "cord" alone.

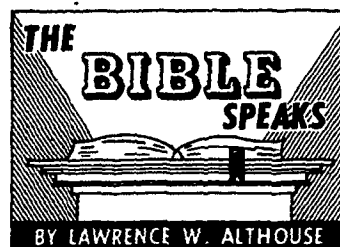
A "face cord" which is the term most widely used is a neatly piled rank of wood 4 feet high, 8 feet long and as wide as the lengths of the sticks of wood. If the pieces are 16 inches long, you have one-third cord of wood.

It pays to know the amount you agree to buy.

To Register for Farm Builders Conference

A Farm Builders Conference and Tour is being held January 21 and 22 in the Lancaster area. It will be an opportunity for farm builders and their staff to learn more about farm structures. A tour of six area farms will highlight new building and remodeling ideas, and the performance of these buildings in cold weather.

According to County Agent, Glenn Shirk, the conference is designed to cover a variety of topics of interest to farm builders, and should be valuable to those who are looking for new and better ideas to incorporate into their designs. For more information and a registration form, contact our office.



FINDING THE MESSIAH December 27, 1981

Background Scripture:
Mark 8:27-29; Luke 24:25,26;
John 1:35-42; 7:25-31.

Devotional Reading:
Colossians 1:3-14.

"We have found the Messiah!"

Thus said the Galilean fisherman to his brother, Simon Peter. According to John's Gospel (1:35-42), Andrew had gone out into the wilderness to see this man they were calling John the Baptist. He had heard John say of Jesus, "Behold, the lamb of God" (1:36). With a companion, Andrew had followed Jesus for some distance before Jesus turned and asked, "What do you seek?" And Andrew and his companion replied, "Rabbi (which means Teacher), where are you staying?" What they were saying to him was that they wanted to be his followers.

Andrew Found Simon

Yet, although Andrew called Jesus "Rabbi," when he found his brother Simon Peter, he didn't call Jesus a Rabbi, but "the Christ." Andrew had already decided that Jesus was the long-awaited Messiah, an expectation that appeared repeatedly in the Old Testament.

So what was the Messiah?

As a Jew, Andrew and Simon Peter probably knew that the term "Messiah" meant different things to different people. In Hebrew the word literally meant "the anointed one." Such a person was someone

specially set apart and designated by God for a particular mission or task. The anointing rite was a symbol of God's selection.

Andrew and Simon Peter probably also knew that the Messiah was often identified with a king, because it was the king who was in the position to bring help and deliverance to the nation. King David had been God's "anointed" and, according to the prophet Isaiah, so had been Cyrus, the King of Persia who freed the people of Israel from their Babylonian bondage. So the Messiah would be someone chosen and sent from God to bring deliverance to the people of Israel.

When Christ Appears

But what kind of "deliverance"?

To be sure, many Jews looked for someone to deliver them from the bondage to Rome. But others looked, not only for physical salvation, but for spiritual deliverance as well. Still others looked for a Messiah who would bring the apocalypse—a time when the earth would be cleared of its temporal kingdoms and in their place erected the Kingdom of God.

We cannot know just what Andrew meant when he said "We have found the Messiah." Yet, it is not so important what Andrew meant as it is what we mean when we call Jesus the Christ. Our situations and needs in life are different and thus the meaning of the Christ for us will vary somewhat. Jesus is the Christ because God sent him to heal our brokenness and we are broken in mind, in body, in spirit, and in relationships. We experience broken families, broken homes, broken communities, and live in a broken world. The Christ is the one anointed by God to heal our brokenness wherever he finds it.

It matters little that Andrew and Simon Peter discovered in Jesus their Christ, unless we too can say with them: "I have found the Messiah!"

OUR READERS WRITE, AND OTHER OPINIONS

Give credit where due

I was at the Penna. Ag Arena Sale and I heard the auctioneer (Harry Bachman, swine sale) state he purchased this bred gilt and was donating her to the sale arena fund.

She was then resold so that half of the \$500 went to the sale plus full amount the second time she went through the sale.

Harry Bachman should be given credit for \$500 donation and I believe the same picture should run in your next edition with

proper credits given.

Charles D. Kier
Monroeton, PA

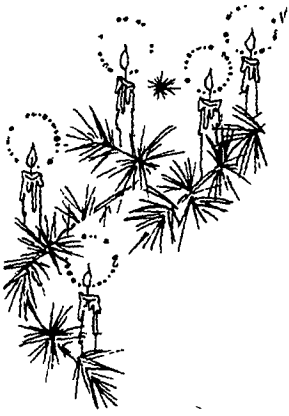
Editor's Note — Bachman was one of many buyers who resold an Ag Arena purchase and contributed 100 percent to the building fund. We feel that every donation to the Ag Arena fund was noteworthy, whether it was time, livestock, or money. However, space does not permit mentioning every important individual who made this sale a success.

(Turn to Page A12)

HAY HAWS



"I thought I told you not to wake me until you heard the sound of 36 little feet and a jolly ho, ho, ho!"



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Our sales, service and management staff count it a real privilege to continue serving your poultry, livestock and grain system needs.

Our wish for all of you is a Merry Christmas and a New Year filled with Health, Happiness and Prosperity.

*From Management and
Staff of Hershey Equipment Co.*



OUR READERS WRITE, AND OTHER OPINIONS

Americans sold short

Congress has just completed another exercise in futility. For some reason, every four years this nation thinks it must pass another farm bill which is progressively worse than the last.

This year is no different. The 1977 Farm Act had proven to be a dismal failure, with farm purchasing power dropping to the lowest of this century, even lower than during the Great Depression. Changes in the 1981 legislation will reverse this situation very little.

Pressure by the administration to beat down amendments which would have required foreign buyers to pay a minimum price which would return production costs to American farmers is unforgivable. The end result will be that Russia will once again steal the production of our nations' precious farmland and the American public will pick up the tab!

We export over 60 percent of our wheat production and 40 percent of our corn production. It's assinine that we continue to virtually give it away to the detriment of the American farmer and the American taxpayer.

This administration, which was supported overwhelmingly by rural votes in the 1980 election, fought the grassroots farmers and supported the international traders and international buyers on every issue.

The American public should be aware that legislation which would

protect the consumer from foreign imports of kangaroo meat and horse meat which is labeled as beef was also fought by this administration. The legislation would have required sufficient inspection for sanitation and dangerous chemical residues.

This is just another case of having two sets of principals, one which requires the American producers to meet stringent and costly inspection and sanitation requirements, the other which allows his foreign competition to circumvent these regulations and dump unsafe and falsely labeled products into the American consumers dinner plate. After an all out effort, the administration was able to defeat this in conference.

It is interesting to note, the legislation would have provided equal inspection for imported equal inspection for imported meat. We feel that being equal is not being unfair! The consumers of the Nation and producers should not sit still and let our rights and the safety of the general public be violated by our own government, that have sold out America for foreign interests.

We, in American Agriculture, have always advocated farm legislation which would require the expenditure of no tax dollars and no subsidy payments, buy, would insure a fair price for our production at the market place, both domestic and foreign. I am convinced that this legislation will

do the opposite, keeping prices below production costs to the farmer which at the same time causing a drain on the federal treasury.

I only hope, that it doesn't also result in the inability of our farmers to continue to feed and clothe our nation as well as we have done in the past.

We realize now, the best grain lobbyists Russia has, are in our government. They are bent on sending food stamps to Russia, disguised as 'cheap grain'.

Marvin Meek, chairman
American Agricultural
Movement, Inc.

Solanco fund-raiser

On behalf of the Solanco Fair Association and the T.H.A.F. (To Help A Friend) Committee, we would like to express to you our sincere appreciation and genuine gratitude for the help and promotion you gave our fund-raising event on December 12 and 13, 1981.

According to our records a total of 565 patrons participated in the tour of homes. Nearly 265 people were served a delicious ham dinner at the Hoffman Community Building, and hundreds more enjoyed the craft show and benefit auction held Saturday afternoon and evening.

The total receipts from the entire fund raising week-end amounted to \$5,451.10. After expenses for food

The Right to Farm Legislation, H.B. 1823, sponsored by Rep. Noah Wenger (R., Lancaster County), is an important part of the Thornburgh administration's family farm preservation initiative.

"The House of Representatives last week, in passing the right to farm bill by a 179-2 vote, has not only taken a step toward enacting a major piece of legislation. It has also shown that urban and suburban people understand the pressures faced by farmers in our changing countryside.

Although agriculture is the second largest industry in the Commonwealth, our family farms are under severe pressure due to the conversion of prime farmland to other uses. In many cases, the conversion is accelerated by conflicts arising between farmers and their suburban neighbors.

In recent years, many people have moved into the suburbs and countryside to enjoy the rural lifestyle and the beautiful open

spaces provided by our family farms. But often, these new neighbors have united to complain about certain unnecessary by-products of farm operations, including odor, noise and the hours of operation necessary for a farmer to stay in business.

In many areas, local ordinances have been passed which can restrict normal farming practices, causing further economic hardships for farmers. Some farms have actually been forced out of business by restrictions in these ordinances.

The legislation, when passed by the Senate and signed into law, would decrease the polarization which can develop between farmers and new suburban neighbors. If right to farm legislation became law, all property owners would clearly understand the rights and obligations of their neighbors.

"Family farms have not created the problems that they face today. But through a better understanding and protection from nuisance ordinances, Pennsylvania agriculture can continue its excellent job of providing top quality food for our consumers at reasonable prices.

Penrose Hallowell
Pa. Sec. of Agriculture
Harrisburg

Farm Calendar

Monday, December 28
Hunterdon County horse and pony Assn. meeting, Extension Center, 8 p.m., Flemington, N.J.

Tuesday, December 29
Lancaster County Conservation District banquet, Leola Family Restaurant, 10 a.m., 2491 New Holland Pike.

Friday, January 1
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IPM makes progress, enemies advancing on pests

BELTSVILLE, Md. — Integrated pest management (IPM) is making good progress in America, according to Lloyd Knutson, a leading U.S. Department of Agriculture insect scientist.

Speaking recently at the First Japan-USA Symposium on IPM, Knutson said that IPM progress is due to advances by scientists who explore the world, and never roam far from a microscope. He spoke of entomologists who learn to control pests of the farm and forest by using the pests' natural enemies — their parasites, predators and diseases.

Natural enemies and other biological control techniques are the "foundation" of IPM, said Knutson. Scientists developed the IPM concept in recent years to give people alternatives to relying solely on pest control by chemical pesticides.

Integrated pest management is literally just that, an integration of any available pest control angle, usually including close monitoring of pests in the field, cultural practices such as a timely plowing, biocontrols, and limited use of pesticides.

"We are only beginning to build our natural enemy foundation. Yet, IPM is already a proven technology in America, used to control pests of cotton, alfalfa, soybeans, sorghum, corn and apples," Knutson said at the IPM Symposium, which was held in Tsukuba, Japan's "science city."

Knutson is Chairman of USDA's Insect Identification and Beneficial Insect Introduction Institute in Beltsville, where nearly a third of a million insects and mites are identified each year for biological control projects and

other research.

The use of natural enemies for controlling pests, said Knutson, is a cost-effective, low-energy way to increase agricultural production. Also, natural enemies, when carefully selected, pose no hazard to the environment.

Research on natural enemies takes two roads at the same time. For a particularly troublesome pest, scientists first identify those natural enemies found with the pest in the field. Then, steps are taken to conserve the in-field enemies. More discretion may be taken in spraying pesticides, for instance.

The other research road is to import natural enemies from other parts of the country or world. Effective "imports" are often found in areas where the pest first became a pest. For example, USDA scientists found aggressive parasitic mites of the Mexican bean beetle in parts of Central

America. Before any natural enemy is imported, studies are conducted under strict quarantine to make sure the imported creatures harm only the target pest.

Knutson said in Japan that an advantage of using natural enemies over using other control methods is that the effectiveness of a pest's enemy often increases as populations of the pest increases. Because the natural enemy, say a parasitic mite, feeds on a pest such as a beetle, the mites may multiply faster than the beetles. A point is reached when the mite population overwhelms the beetle population, causing both to crash.

Because success means the near disappearance of both pest and enemy, scientists can have difficulty proving successful control by natural enemies. However, there are good success stories. Knutson said that two of the best are control of cereal leaf beetles

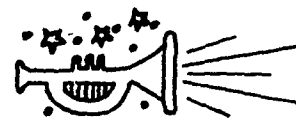
and alfalfa weevils by natural enemies discovered and imported by USDA entomologists.

USDA's Agricultural Research Service (which includes Knutson's Institute) does more biocontrol research than any other Federal agency. However, only about 170 ARS scientists are involved with biocontrol work, Knutson said, many only part time. Those not tracking down natural enemies are developing "biorational" techniques to disrupt the life cycles of target pests. For example, sterile males are sometimes used to disrupt reproduction, or insect juvenile hormones are synthesized to prevent puberty.

Knutson said that despite successes already achieved, progress in putting IPM to work has seemed slow at times. "Much of the foundation work, the research on natural enemies, has not reached the farm. Each biological control agent required considerable study

because of the complex behavior and ecology of living entities. We first must determine the vulnerabilities of a pest. Then, each new bio control agent, requires a unique set of in-the-field procedures.

Using IPM on the farm, often takes a lot of time, special knowledge, and a high initial risk financially, Knutson said. "However, now that IPM is becoming a proven option, and there is more IPM-related research in the works, what we need today is a crew of well-trained IPM specialists to make IPM more available to the average farmer."



Ohio study reveals alfalfa seeding failure clue

WOOSTER, Ohio — A study by Ohio agronomists has confirmed that alfalfa plants appear to contain some sort of organic compound or compounds that may prevent or inhibit germination of seed of their own species. This helps explain why efforts to use sod-seeding techniques to renovate old alfalfa fields have frequently met with little success.

Paul Henderlong, a research agronomist for the Ohio Agricultural Research and Development Center and Ohio State, reported the research today during technical sessions at the American Society of Agronomy annual meeting.

In fall 1980, Henderlong and

graduate research associate Hwei-Ying Li collected samples of established alfalfa both before and after fall dormancy. Five-year-old plants were replanted in a greenhouse and samples of leaves, stems, crowns, and roots were collected from other plants in the same field.

Li prepared straight water extractions from leaf, stem, and crown plus root tissues and let the extractions incubate for various lengths of time. The water extractions were then applied in various concentrations to media used for standard laboratory germination tests of alfalfa seed.

The water extractions prepared from both fresh and dried alfalfa

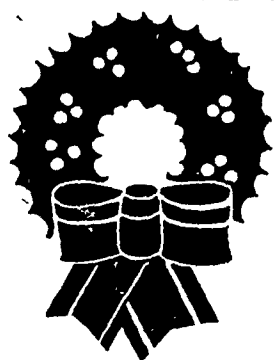
plants inhibited germination even at the very low dosage rates. Agronomists have observed a number of cases where one plant produces compounds which adversely affect another species. This phenomenon is known as "allelopathy." However, when an established plant produces a compound or compounds which adversely affect plants of its own species (self toxic), the phenomenon is labeled "autotoxicity."

The autotoxicity of alfalfa helps explain why efforts to sod-seed alfalfa into deteriorating or thinned stands — or even seeding alfalfa in fields where an old alfalfa stand had been plowed up —

have often been unsuccessful.

The Ohio scientist said studies are now underway to characterize the compound or compounds responsible for autotoxicity in alfalfa. Whatever is responsible is water soluble and while present in all plant parts, is more prevalent in leaves and stems than in crowns and roots.

The no-tillage and sod-seeding methods of renovating pastures and hayfields probably should not be used to rejuvenate established alfalfa stands with new alfalfa seed. It appears that successful reestablishment of alfalfa may require some sort of crop rotation to assure that new alfalfa seeding follows some crop other than alfalfa.



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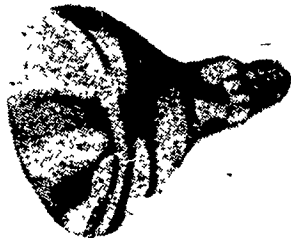
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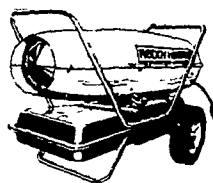
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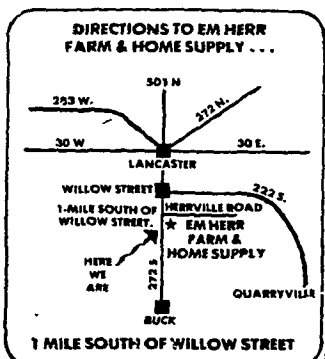
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Lancaster plans tobacco show Jan. 5

LANCASTER — The annual Lancaster County Tobacco Show for youth and adults will be held Tuesday, Jan. 5 at the Farm and Home Center in the Extension basement meeting rooms. The show scheduled:

9:30-11:30 a.m. — FFA and 4-H Club entries due; 9:30-1:30 p.m. — adult entries due; 1:30 p.m. — judging begins.

The classes that are being offered for this show will be the same as for the State Farm Show and are as follows:

Class 1 - Wrapper B's — Div. A, Long wrappers, over 26 inches; Div. B, Short wrappers, 26 inches and under.

Class 2 - Filler B's — Div. A, Long fillers, over 26 inches; Div. B, Short fillers, 26 inches and under.

Class 3 - Binder Type — Div. A, Long binders, over 26 inches; Div. B, Short binders, 26 inches and under.

Class 4 - 4-H Club Wrappers — No length specified.

Class 5 - 4-H Club Fillers — No length specified.

Class 6 - FFA Wrappers — C1 — No length specified.

Class 7 - FFA Fillers — C2 — No length specified.

An exhibit of tobacco consists of a hand of 15 leaves tied with a tobacco leaf. Select leaves that are uniform in size, color, texture and free from insect, disease or mechanical damage.

Both FFA and 4-H Club members may also exhibit in open classes - 1, 2 or 3.

An important rule change has been made from previous years. Tobacco growers as owners, may show families, partnerships or any other management arrangement will be limited to no more than two exhibit hands per division, long and short, of each class in the open part of the show. This adds up to four entries per class as the maximum. It has become necessary to limit the entries

coming from one farm or farms operated under one management. Youth exhibitors will be permitted one hand per class in the youth show and one in the open show.

All exhibits entered in the State Farm Show unless the County Show will be taken to the exhibitor requests otherwise.

Columbia Co. DHIA announces annual DHIA meeting

BLOOMSBURG — The annual meeting of the Columbia County DHIA will be held on Tuesday, December 29 at noon at the Lightstreet Grange Hall.

Dinner will cost \$2.50 for members and their families and \$5 for guests. Everyone interested in the dairy industry is invited to attend.

In addition to announcing production awards and the business meeting, the program will feature a report on Agriculture in California presented by Richard

Little, County Agent in Montour County.

Interested parties will need to purchase tickets from Columbia County DHIA supervisors or make reservations by December 23 with the Extension office, 717-784-6660.



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Mid-Atlantic no-till meeting ready to roll

COLLEGE PARK, MD. — Nitrogen sources and application techniques have become critical components in achieving maximum corn yields with a no-tillage cultural program.

So the lead-off session for next month's Mid-Atlantic No-Till Conference will feature a tri-state, five-man panel addressing itself to this issue. Panel members and their sub-topics are as follows:

"Report from Ohio" — Donald K. Myers, an Extension agronomist at Ohio State University;

"Drop Nozzle Application" — Raymond Byler, a commercial applicator from Belleville, Pa. (Mifflin county);

"Knifing in Anhydrous Ammonia" — Robert G. Thomas of Freeland, Md., a Baltimore county farmer;

"Dry Nitrogen, Broadcast Post-Emergence" — W. Drew Stabler of Gaithersburg, Md., a Montgomery county farmer;

"Manure: Plus or Minus for No-Till Farming" — Herbert W. Wessel, Jr., of Hampstead, Md., a Carroll county dairy farmer.

The eighth annual farmer educational event is scheduled Jan. 7 in the Exhibition hall on the Maryland state fairground at Timonium. Registration will get under way at 8 a.m., with the morning program set to begin at 9:30. The afternoon program will run from 1:30 to 3:30.

Tickets for the noon lunch must be purchased in advance before Dec. 30 from county Extension offices in Delaware, Maryland, New Jersey, Pennsylvania, Virginia or West Virginia.

More than 1,500 farmers and agribusinessmen from the six-state area are expected to attend, according to V. Allan Bandel, planning committee chairman. Bandel is Extension soils specialist and professor of agronomy at the University of Maryland, College Park.

He reports that 35 agribusiness sponsors — a record number for this event — will be setting up commercial and educational exhibits. As in past years, the event is sponsored by the Cooperative Extension Service at land-grant universities in the six-state area in

cooperation with interested agribusiness firms.

The Maryland state fairground, site of this year's no-till conference, is located in the 2200 block of York road in Timonium. For easy access from southern points, drive three miles north of the

Baltimore Beltway on highway I-83; turn off at exit 16A and take a left onto York road.

If coming from the north, turn off at exit 17A and take a right onto York road. Take another right into the fairground near the 4-H and Home Arts building.



Officers and committee members for next month's Mid-Atlantic No-Till Conference paused for their picture during final planning session on Dec. 7 at the Maryland State Fairground in Timonium. Seated are, left to right: Richard S. Witmer of Middletown, Md., program committee; V. Allan Bandel of Highland, Md. chairman; John Hauck of

Carlisle, Pa., secretary. Standing are, left to right: G. Richard Curran of Westminster, Md., arrangements; John Harris of New Bloomfield, Pa., vice chairman and treasurer; Walter C. Johnson of Julian, Pa., budget and finance; Ed Wilson of Leola, Pa., hospitality, and Donald J. Overdorff of Carlisle, Pa., program committee.

Farm-Home Center dinner on Jan. 28

LANCASTER — The annual meeting of the Farm and Home Foundation of Lancaster County will be held Thursday, Jan. 28 at 6:30 p.m. in the Farm and Home Center Auditorium.

The program will feature Walter Buescher of Pigeon Forge, Tn. His

subject will be The American Dream, a three cheers for America presentation combining humor with a serious message. His visit is sponsored by Sperry New Holland. Mary Martin will provide dinner music. There will be a brief business meeting, including the election of directors.

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Scenes of the season

Farm Talk

Jerry Webb

A question of legality

There are few professions that require more skills than farming.

Successful farmers must not only be good at growing crops and livestock, but they must also be mechanics, carpenters, bookkeepers, tax experts, commodity specialists, personnel managers, real estate appraisers, and financial consultants.

To that long list might also be added legal experts because increasingly farmers are getting involved in problems that require at least some legal knowledge on their part. And it's a specialized area—one that the average corporation or trial lawyer may not be familiar with.

Nationally, there is a growing number of lawyers who deal with farm-related problems and certainly there is a growing market for their services. It seems everytime you read a farm magazine or an agricultural newspaper, there's a story about a farmer somewhere involved in a peculiar legal battle. Usually it centers around the problem of liability, or responsibility if you prefer a simpler term.

In this time of environmental concern, farmers are being taken to task for many of the practices that have been followed in agricultural areas for generations. And courts are finding the farmers liable for misuse of agricultural chemicals, for odor problems, for creating hazardous conditions, and for other sins against society.

In the good old days, a farmer could till the ground and raise livestock and be pretty much left alone by city cousins. But the

spread of the nonfarm population into the countryside has created conflict that has resulted in legal action.

Now farmers must worry about their dust, their odors, their fertilizers, and the manners of their livestock. They must be concerned about the liability created by a mean bull, a biting dog, a manure lagoon, and the quality of the air and water surrounding that agricultural enterprise.

With today's sophisticated detection equipment, unsympathetic neighbors are accusing and winning battles over ground water pollution, fertilizer runoff, chemical drift, and air quality.

There's no question that farmers do create liablous situations with the practices of modern agriculture. The key word in all this seems to be negligence. In legal talk, that's a term that indicates failure to observe ordinary and reasonable care to protect others from injury.

If the courts find that farmers have been negligent, then they're probably going to have to pay. On the other hand, if they used reasonable care, another good legal term, then even though some harm may have resulted from an action, or lack of action, farmers may not have to pay.

The question in most of these cases revolves around two terms—negligence and reasonable care. Would a reasonable, prudent person foresee a likelihood of danger to others in this particular circumstance?

(Turn to Page A25)



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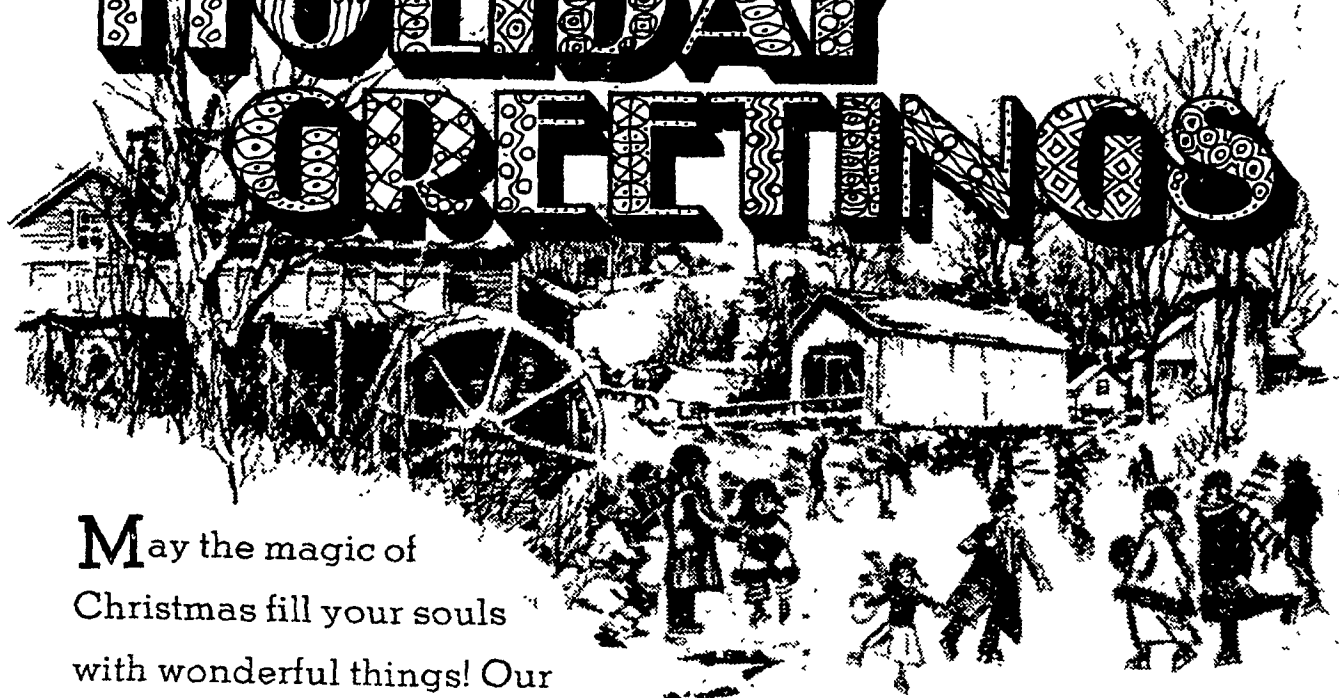


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African Swine Fever eradication progresses

DES MOINES, Iowa — The African Swine Fever eradication program in Haiti is progressing well, but slightly behind schedule, according to Don Van Houweling, director of Government Affairs for the National Pork Producers Council.

Van Houweling, who recently returned from the meeting of the international coordinating committee in Haiti, reported his findings to Richard Lyng, Deputy Secretary of USDA.

During that meeting, Van Houweling told Lyng that the main delay in the program is developing a plan for the indemnification of hog owners when the animals are eliminated as part of the eradication program. Details of the indemnification program will now be completed and ready for approval of the coordinating committee by February 1, 1982. Until that time, the eradication program will be on standby.

The Haitian government is conducting the eradication program with the cooperation of the International Institute for Cooperation in Agriculture (IICA) and funds from the U.S., Mexico and Canada.

Van Houweling expressed the

importance of this eradication effort as a means of protecting the U.S. hog population from becoming infected. "African Swine Fever had never been in the Western Hemisphere until 1978 when it suddenly spread to the

Dominican Republic, Haiti and Brazil. The Dominican Republic has eliminated the disease, but Haiti, which occupies the other third of the island, is still infected. All of these areas are within several hundred miles of the mainland, making the spread of

ASE a serious threat and concern to pork producers," he said.

Van Houweling also expressed NPPC continued support of the eradication program, and his belief that the program will be successful in eradicating ASE.

Phila. packer gets \$5,000 penalty

plaint.

In addition to the civil penalties, USDA Administrative Law Judge John A. Campbell ordered Hillcrest Packing and Kohn to cease and desist from:

- Purchasing livestock while insolvent, unless the full purchase price of the livestock is paid at the time of purchase in cash, by certified check, or wire transfer;
- Failing to pay, when due, the full purchase price of livestock;
- Issuing insufficient funds

checks in payment for livestock; and

— Sending checks in payment for livestock by mail without maintaining a corporate record containing written agreements for the mailing of checks.

Hillcrest Packing and Kohn were also ordered to maintain sufficient accounts and records to fully and

correctly disclose all significant transactions involved in their packing business, including records which show the corporation's financial condition.

The cease and desist order, like a permanent injunction, was issued to assure future compliance with the Packers and Stockyards Act.

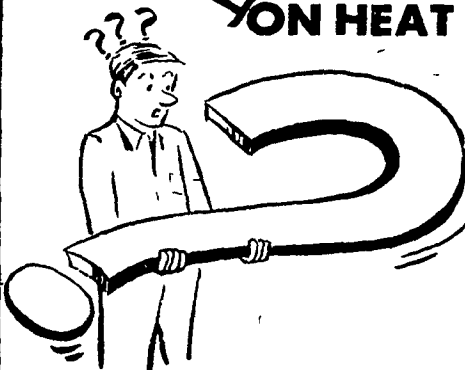


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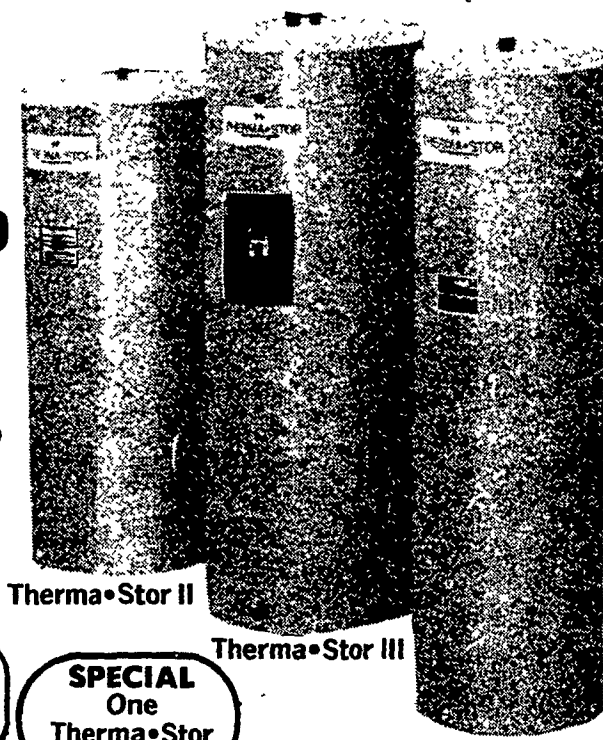
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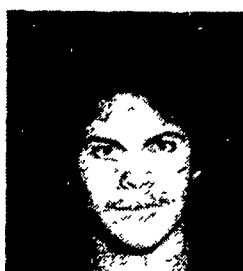
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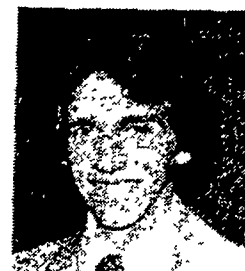
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USDA economists forecast lean prospects

American farmers face lean economic prospects through 1982 due to bumper crops and a continued sluggish U.S. and world economy.

"There is little evidence of a good year for farm income in 1982," said economist George Hoffman at the recent Agricultural Outlook Conference in Washington D.C. Hoffman is acting deputy administrator of USDA's Economic Research Service.

Although neither Hoffman nor other USDA officials projected specific 1982 net farm income - too many uncertainties exist - they saw little reason for optimism, at least through mid-1982. But some improvement is expected during the second half of the year.

Considering the farm economy in 1981, another decline would be a blow to many farmers - especially those with large outstanding loans and slim prospects for rescheduling debt. Here are some of the preliminary 1981 estimates:

- Net farm income before inventory adjustment will be around \$19 billion this year, a decline of \$2.9 billion from 1980. But adjusted to include increases in the value of farm inventories, net farm income will be about \$22 billion, up \$2.1 billion from 1980.

- Cash receipts are expected to be up about 5 percent over 1980,

with crop receipts rising 7 percent to \$74 billion, and livestock receipts up 4 percent to \$70 billion.

- Cash expenses and total production costs should be up about 9 percent. Record interest rates on the growing farm debt should more than offset the slowdown in other production costs.

- Net income from farm sources, before inventory adjustment, should average about \$7,950 per farm, compared with \$9,002 in 1980. With off-farm income added, total income per farm may just top \$24,000 - second only to 1979's \$24,923.

Hoffman noted three major unknown which could change 1982 farm income prospects. First the size of Southern Hemisphere harvests could drive U.S. farm prices up or down.

Secondly, as the 1982/83 harvest nears, prices will adjust according to prospective world supplies. Finally, the strength of the U.S. and world economies will affect demand as consumers have more or less money to bid for agricultural goods.

Preliminary projections for 1982 are strongly influenced by huge 1981 world crops and livestock production coming in a time of relatively weak demand:

- Farm production expenses may moderate to a 6 to 9 percent

gain next year, the smallest increase since 1975.

- Cash receipts are expected to be up only 4 to 6 percent, a smaller gain than even the expected modest jump in production expenses. This could add to many producers' cash flow squeeze.

- If this squeeze continues, many farmers will need to reschedule debt and defer capital expenditures of the third consecutive year.

Despite financial pressures in 1981, most farmers were able to meet their debt obligations, according to USDA economist David A. Lins.

"While many lenders indicate no significant increase in loan collection problems, there is almost unanimous concern over what might happen if farm incomes do not improve Outlook soon," Lins said. "Lenders believe that unless incomes improve soon, the problems of delinquency and default will increase significantly."

Lins offered these 1982 outlooks:

- Ample credit should be

available to qualified borrowers, as it was in 1981.

- If the Federal Reserve maintains a moderate growth rate in the money supply, a gradual easing in interest rates should continue. In 1981, interest rates reached record highs, with bank farm loans hitting 19 to 20 percent last August.

- If the 1982 overall inflation rate ranges from 8 to 10 percent, a continued reduction in the real wealth position of the farm sector is anticipated.

"If this forecast materializes," Lins said, "it will be the first time in the last 40 years that real wealth of the farm sector has declined for 3 consecutive years."

On the other end of the food chain, overall food prices are projected to rise around 7 percent in 1982, compared with about 8.2 percent in 1981, according to USDA economists R. McFall Lamm and Paul C. Westcott. Grocery store food prices are likely to rise about 6 percent, while food prices in restaurants go up about 8 percent.

"The farm value of domestic

food production will probably rise only about 1 to 4 percent," they said. "In stark contrast, food marketing costs will rise 8 to 10 percent and be the major source of food price inflation in 1982."

Turning to individual commodities, USDA experts say that, for many items, world stocks are so high that farm prices have faltered:

Feed Grains: A year ago, economists worried that poor worldwide production had drawn down stocks to a dangerous level—a small 1981 feed grain harvest could have meant serious shortages.

This year, the worry is just the opposite: too much grain. In fact, USDA economists James P. Rudbeck and Paul J. Meyers expect 1981/82 world coarse grain production to be a record 766 million metric tons (mmt.), 18-19 million tons above projected world utilization.

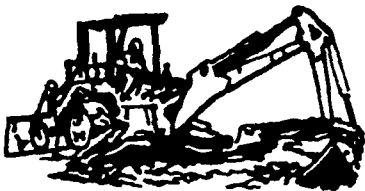
Of course, not all countries did equally well. While U.S. farmers harvested about 246 million tons of coarse grains (206 mmt. of corn)

(Turn to Page A21)

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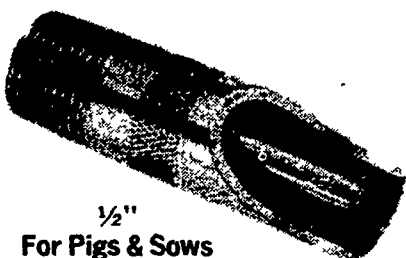


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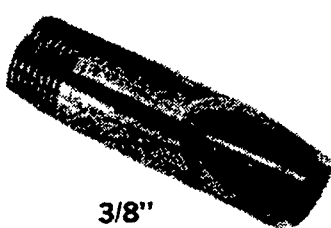
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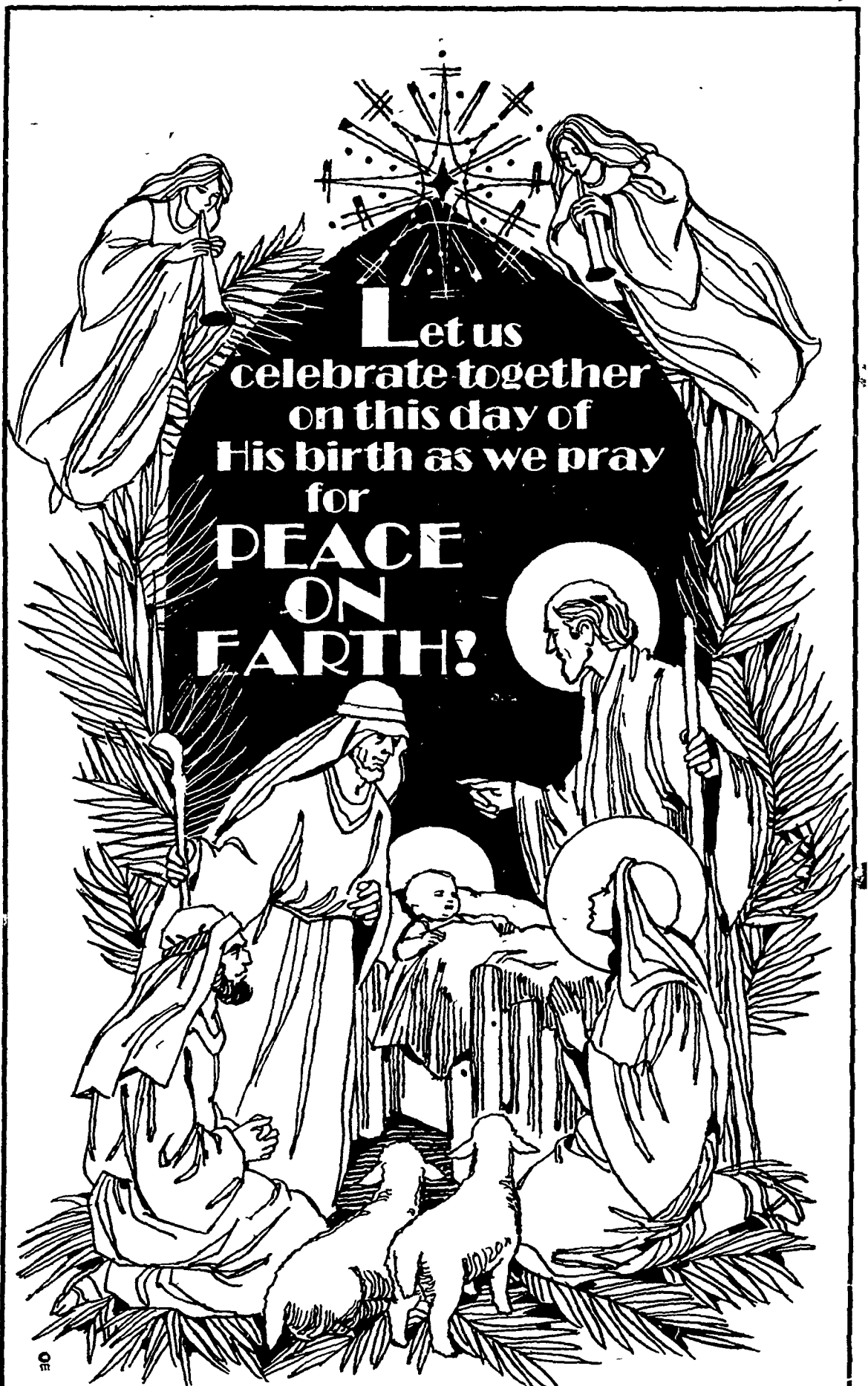
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USDA economists

(Continued from Page A20)

this year, the USSR suffered its third consecutive poor harvest. World coarse grain trade this season is projected at 115.6 mmt., of which the U.S. holding better than half the world stocks—should account for 72 mmt., up slightly over the 1980/81 export level.

U.S. domestic feed use should be up 6 percent this season to further ease the supply, but, even so, stocks should build 18 mmt. this season to a total of 53 mmt. only about matching 1979/80's ending stocks. The mid-November outlook for the 1981/82 crop year is for corn prices to average \$2.55-\$2.80 per bushel, down from last season's record \$3.10.

Food Grains: This season's world food grain harvests were so abundant that gains in Outlook production of 2.4 percent will not only cover growth in consumption, but should also allow for some minor stock buildup, said USDA economist John C. Dunmore. The record U.S. wheat crop of 74.8 mmt. is a major factor in this abundance.

Major wheat exporters, including the U.S., Australia, and Canada, enjoyed gains in production averaging almost 11 percent. Of all major exporters, only the European Community had a smaller crop, while Argentina's crop is now forecast to be at about last year's level.

Meanwhile, major importers, including Eastern Europe, the USSR, China, Brazil, North Africa, and Spain, averaged a 6.8 percent smaller crop. Only China showed a gain among major importers. Result: world wheat trade should be up from last season's 98 mmt. The forecast ranges from 98.5 to 108.7 mmt.

Beef Cattle: High expectations among cattle producers for 1981 meat prices soured as the economy slowed, interest rates rose, and consumer budgets tightened.

The outlook is for continuing slow beef price gains through mid-1982, although lower feed costs, moderating interest rates, and improved forage conditions should restrain production costs. Beef production should rise 3 to 4 percent in 1982 as the herd expansion continues, said USDA livestock economist Ronald A. Gustafson.

Pork: After declining about 6 percent in 1981 from record 1980 output of 16.4 billion pounds, pork production is expected to decline another 4 to 6 percent next year. Even so, supplies should still be ample—especially with high production of competing meats and with sluggish consumer demand.

Second-half 1981 hog prices were up sharply from the low levels of January-June 1981.

Prices to producers are expected to strengthen in 1982, and the

average price of barrows and gilts may range from \$46 to \$50 per cwt., said USDA livestock analyst James E. Nix.

Poultry: The record feed grain crop should also benefit poultry and egg producers in 1982, easing pressures from the expected weak poultry and egg prices during the first half of next year.

Broiler producers are expected to expand output by about 1 percent, but egg production may decrease slightly, and turkey production could decline 4 to 6 percent, according to USDA economist Allen Baker.

Peechatka named SCSA vice-president



Walter N. Peechatka

the statewide efforts of conservation districts and since 1972 has managed a mandatory erosion and sediment control program, the first program of its kind in the nation.

Other Bureau functions have involved Peechatka in surface mine reclamation, nonpoint pollution control, watershed planning, soil survey, recreation, and joint federal-state conservation planning.

Prior to 1971, Peechatka was State Conservation Commission program specialist in the Pennsylvania Department of Agriculture. He also worked with the Pennsylvania Department of Forests and Waters as a service forester, then as assistant supervisor of the state's Cooperative Forest Management Program.

Peechatka is a member of SCSA, the Association of State Soil Conservation Administration Officers, and the Pennsylvania Forestry Association.

Peechatka, who hails from Scranton, graduated from Pocono High School in 1957. He earned a B.S. degree in forestry from Penn State in 1961.

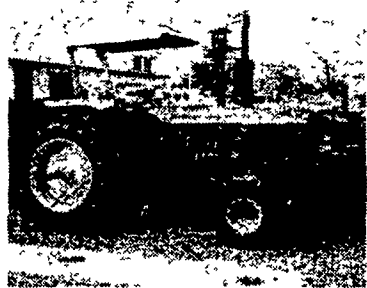
Peechatka and his wife, Bonita, have two children, Troy and Tren.

was to have assumed the Society's top administrative post.

Peechatka has served as director of the Pennsylvania Bureau of Soil and Water Conservation and executive secretary of the State Conservation Commission since 1971. In this capacity, he has directed a staff of professional foresters, agronomists, geologists, and engineers.

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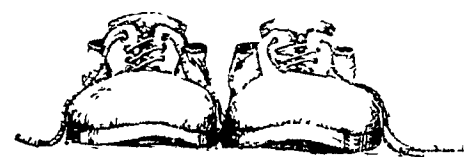


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Prices received by U.S. farmers continue to decline

WASHINGTON, D.C. — Prices received by farmers declined 1 point (8/10 of 1 percent) in November, from its revised October total to 129 percent of its Jan.-Dec. 1977 average.

Lower prices for cattle, hogs, corn, soybeans, grapefruit and lemons were mainly responsible for the decrease. Higher prices for oranges, eggs, strawberries, potatoes and milk were partially offsetting. The index was down 15 points (10 percent) from a year earlier and its lowest since June 1980.

Beef cattle prices, at \$53.90 were down \$1.90 per hundredweight, the lowest since November 1978. Hog prices were off \$2.80 per hundredweight to \$42.20, the lowest since May. Corn prices, at \$2.33 per bu., were down 12 cents, the lowest since November 1979.

Soybeans, the \$6 per bu., were down 6 cents, the lowest since June 1980. Grapefruit prices declined from \$4.18 to \$2.65 per box. Lemons

declined from \$5.64 to 99 cents a box.

But oranges moved up from \$2.37 to \$4.50 per box. Eggs, from 63.8 cents to 69.5 cents a dozen. Strawberries from 70.4 cents to 90.5 cents a pound. Potatoes from \$4.38 to \$4.81 per hundredweight. All milk sold to plants from \$14 to

\$14.10 per cwt.

Meanwhile, the Index of Prices Paid by farmers remained at 151 — a record high. It first reached 151 in June, declined a point in July, but has been at 151 each month since. The index was up 7 points (4.9 percent) from a year earlier.

With the Index of Prices Received down 1 point and the Index of Prices Paid unchanged, the Ratio of the Index of Prices Received to Prices Paid declined 1 point to 85 — the lowest on records in the current series which began in 1965, but the Statistical

Reporting Service says it's the lowest since 1933.

Under the old 1910-14 formulas, Prices Paid declined 2 points to 591, Prices Received remained unchanged at 1,039, and the Parity Index remained unchanged at 57 — the lowest since April 1933.

How are parity prices treating farmers?

WASHINGTON, D.C. — How are farmers doing insofar as receiving parity prices goes?

Here is the rundown: At \$2.80 per bu., wheat is only 53 percent of parity, which is pegged at \$7.11. At 2.33 per bu., corn is 48 percent of parity, now pegged at \$4.89.

Soybeans, selling for \$6 per bu. are at 48 percent of parity, now seen at \$12.50. Barley that's selling for \$2.41 per bu. is 53 percent of parity's \$4.46. At \$53.90 per hundredweight, beef cattle are selling at 58 percent of parity's \$92.50. At

\$42.20 per cwt., hogs are selling at 51 percent of parity's \$82.70.

At 63.8 cents per dozen, eggs are

60 percent of parity, pegged at \$1.11 and turkeys, at 35.6 cents a pound are 49 percent of parity's 71 cents.

Realistically, oats seems to be doing best. At \$1.91 per bu., it's 73 percent of parity, which is pegged at \$2.63.

LCCD posts meeting dates

LANCASTER — The Lancaster County Conservation District has announced its meeting schedule for 1982.

The board's monthly meetings are held at the Farm and Home Center, Lancaster, and begin at 7:30 p.m.

The following meeting dates have been set: Feb. 3; March 3; April 7; May 5; June 2; July 7; Aug. 4; Sept. 1; Oct. 6; Nov. 3; Dec. 8.

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1,000	5'4"	6'0"	7	1,028	326.00
1,500	5'4"	9'0"	7	1,388	438.00
2,000	5'4"	12'0"	7	1,735	534.00
3,000	5'4"	17'11"	7	2,432	720.00
4,000	5'4"	23'10"	7	3,130	908.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
6,000	8'0"	16'2"	1/4"	5,123	1800.00
8,000	8'0"	21'6"	1/4"	6,475	2230.00
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3,000	5'4"	17'11"	7	2,312	300.00
4,000	5'4"	23'10"	7	3,010	400.00

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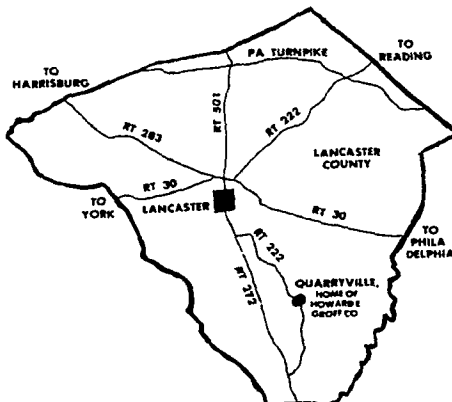
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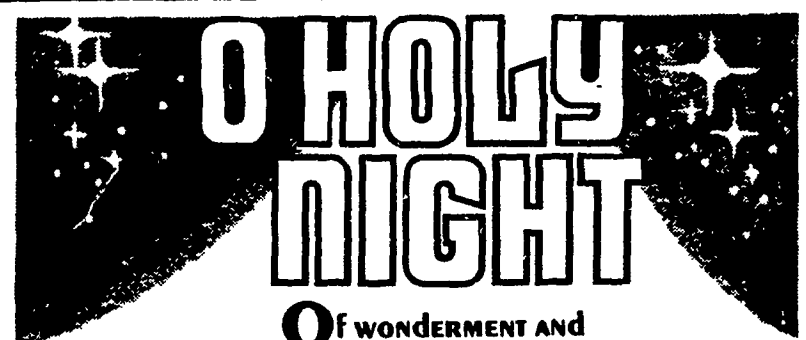
Bickel gets award



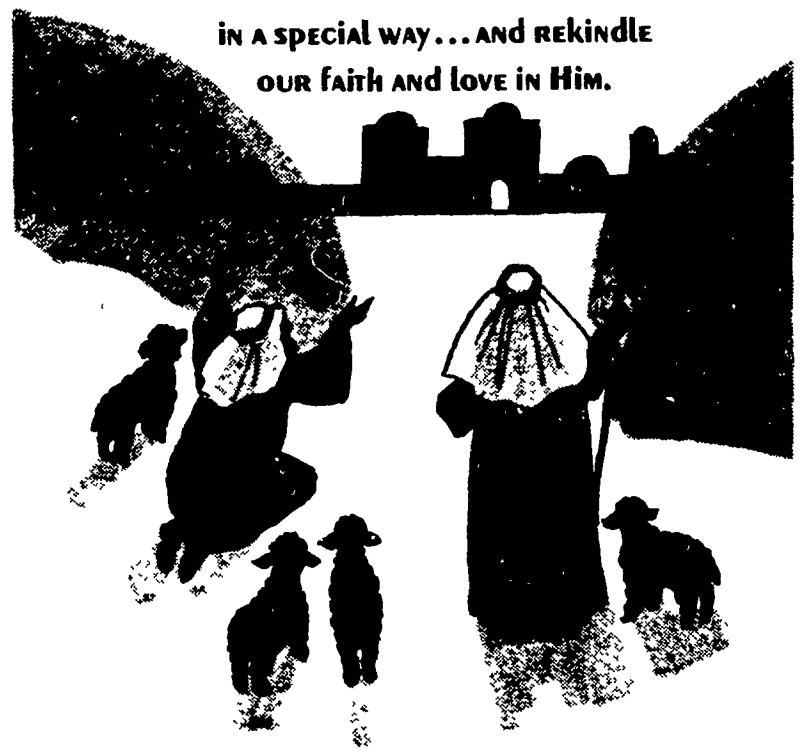
J. Ray Bickel, vocational agriculture teacher and advisor to the Northern Lebanon FFA Chapter, Fredericksburg, receives award for being advisor to the national winner of the FFA Proficiency Award in Poultry Production.

The NVATA Teacher Recognition Award was presented to the NVATA National Convention recently in Atlanta, Ga.

Making the presentation is Debra J. Rosenfeld, of Pfizer Agriculture Division, sponsors of the award.



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Weigh station is last straw for Berks dairy family

BY SHEILA MILLER

STRAUSTOWN — How does it feel to be sailing on top of the world one day and to be hit by a tidal wave the next?

Although many farmers will feel they could answer that question easily these days, no one could probably answer it better than a Berks County dairyman by the name of Robert Deisaman. This unfortunate farmer has been dealt the final blow this month by the Pennsylvania Department of Transportation who informed him of their plans to construct a weigh station on what remains of his once-productive farm.

This is not the first time Penn DOT has gotten in touch with Deisaman, but it is probably the last. Deisaman, who has been farming since Nov. 30, 1940, exclaimed, "This time it's different. Now we're finished."

Forty-two years ago, Robert Deisaman and his wife Grace purchased the small 58-acre farm in Upper Tulpehocken Township, Berks County. It was a rural area, and the farm was strategically located between two small towns — Strausstown and Shartlesville.

Deisaman helped support his newly acquired farm through his work as a florist and grounds keeper at the state hospital in nearby Wernersville. With his income and the money earned by Grace who taught school, Deisaman said they "had enough money to allow him to farm full-time by 1947."

Things were going well for the young farm family. The land was cared for and fertilized and produced enough feed for Deisaman's growing herd of dairy cattle.

Then in 1952 a 'dark cloud' rolled over the prospering dairy farm and the 'storm' that followed swept 7½ acres of cropland and pasture from the farm.

Although this was not a storm in the natural sense, its damage was permanent. The Deisamans recalled this was their first encounter with Penn DOT and the powers of eminent domain. They recounted how the state condemned their farmland in 1952 and completed a four-lane highway two years later.

Even before the state had paid the family for the land they had taken already, the highway employees returned and took additional land several years later to create a limited access highway and a fenced right-of-way. Then, when the Deisamans were still without financial compensation for their acreage loss, the state added insult to injury by making the northern side of the farm only

accessible by a way of a 3-mile round-trip.

"Finally in 1960," Deisaman said, as he shuffled through his file of papers, "the state paid us \$6,600 for the acreage."

"We had to take the money they offered," stated Grace.

Deisaman commented that even though he received the \$6,600 for 7½ acres in 1960, it was never a "paying proposition."

"If I had farmed those 7½ acres for the past 30 years, I would have had a lot more from them than \$6,600," he exclaimed. "Why, the resale value of the land today would be a lot more."

As a result of his acreage reduction, Deisaman recalled the farm operation was forced into buying considerable amounts of hay to feed the livestock.

After the settlement with the state for the highway land, the Deisamans said they put their file on Penn DOT away, storing many of the documents on their attic. But then in 1970 the nightmare started all over again.

That year they received another letter from the highway department stating their intentions of 'buying' additional land to construct a rest area along the four-lane Interstate 78. This would slice an additional 6½ acres from the Deisaman farm.

The land the state condemned for the rest area has remained idle since the acquisition, Deisaman said — left to grow up in brush and trees. And because of the way the land was split off, about 1¼ acres of land still owned by Deisaman on the north side of the highway has suffered a similar fate.

"When the state did their preliminary grading of the site, they spoiled the drainage in the area," Deisaman claimed. "Now this small piece of land that used to produce good pasture for our cows is growing up like the rest of the land over on that side of the highway."

When the rest area condemnation actions were proceeding, Deisaman said he decided to hire an attorney to fight the land loss.

"That just meant extra money out of my pocket," he explained. "I had to pay the lawyer's retaining fee and 40 percent of any additional monies received over and above what the state was offering."

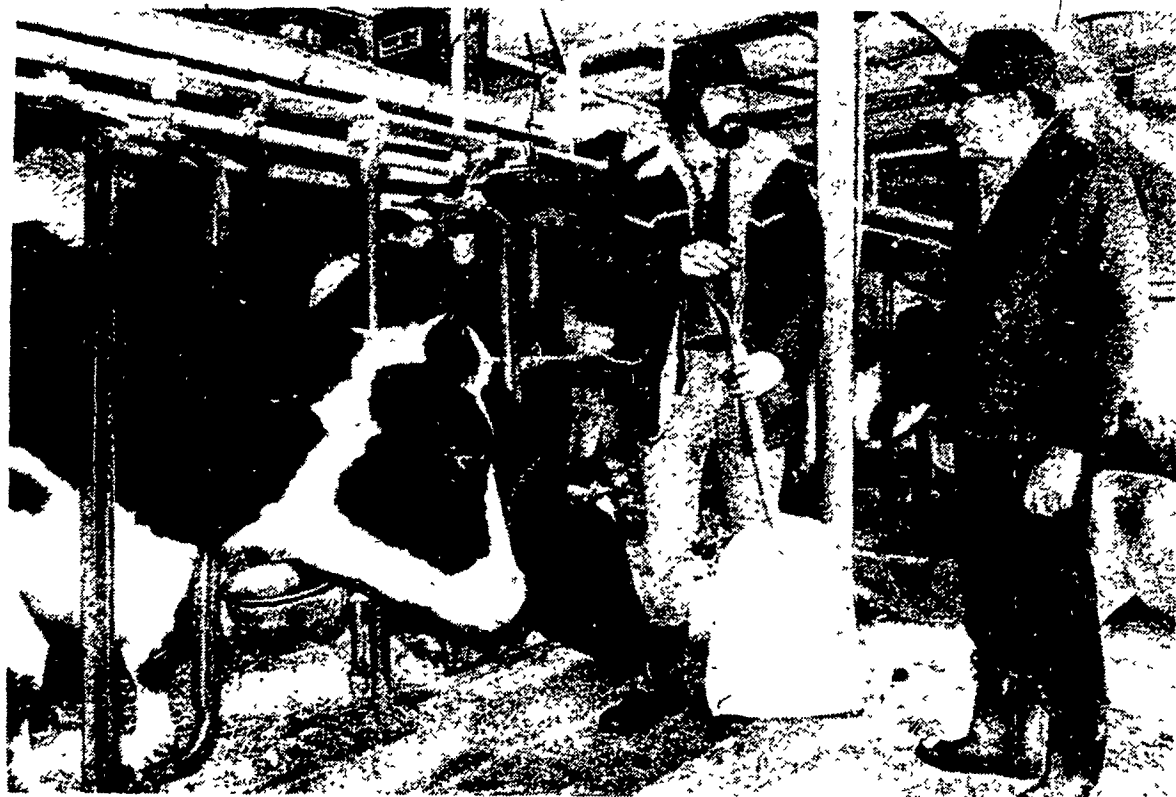
It took about another 10 years for the Deisamans to receive reimbursement for their land from Penn DOT. But unlike the first time when no interest was paid on the 10-year payment wait, this time the state was required by law

(Turn to Page A28)



Robert and Grace Deisaman, R1 Bernville, have spent the past 10 years building their Berks County farm into a productive, picturesque operation. Just this month they

learned the details of a proposed Penn DOT weigh station that will strip about 16 acres of land from their already dissected farm.



Robert Deisaman, right, talks with son Stanley about the future of keeping dairy cattle on their farm if the weigh station should become reality. "We no longer could keep the

cows here," exclaimed Deisaman. "There'd be no more pasture and we already have to buy hay to feed them."

Farmers hear state's proposals for truck inspection station

STRAUSTOWN — A small group of Berks County farmers braved the storm that dropped

several inches of snow on the area last Tuesday evening to gather in the Strausstown Elementary School for a public hearing on the Interstate 78 truck weigh and safety inspection stations.

Called by the state's Department of Transportation, the hearing was designed to inform the public about the intended weigh station, the selected sites and alternatives.

Penn DOT's Steve Caruano explained the Department's objective in building the weigh station along I-78, both eastbound and westbound, "is to develop a program for the enforcement of Pennsylvania's size and weight laws."

He pointed out the total program would improve highway safety and provide adequate protection for the state's highway and bridge system. "Highway pavement life is affected by many factors, of which the volume and weight of trucks are probably the most important."

Citing the need for a weigh station, the Penn DOT engineer eluded to an existing station constructed in Clarion County along Interstate 80. There, they said, the parking lot sometimes overflows with violator's trucks.

In selecting a site for a weigh

station along I-78, the Department spokesman explained, 13 areas located between Fogelsville and Frystown were studied for suitability. Meeting the design criteria of 25 acres of relatively flat to rolling undeveloped land, away from residential or commercial development, was an eliminating factor for 5 of the sites.

The prospective sites also had to meet the design specifications of: acceptable vertical and horizontal relationships between station site and highway; acceptable vertical and horizontal distance; no major structures or interchanges within the one-mile frontage along the highway; relatively flat for the weigh-in-motion or sorting scale; and good natural drainage with the potential for a water supply and sewerage system.

Penn DOT told the group that "after evaluating and re-evaluating all the potential sites for the truck weigh and safety inspection stations, it is recommended that opposite sites be constructed at the existing westbound roadside rest area."

"This will necessitate purchasing farmland for the east-bound site. Opposite sites instead of staggered sites are preferred

(Turn to Page A28)



If the state's plans to construct a two-directional weigh station along Interstate 78 is carried out, the Deisamans will be gazing at a paved parking lot and traffic tower that will

come close to where the shadows of their filled corn bins end. This productive farmland will be added to the acreage Deisaman has already lost to the highway.

Farm Talk

(Continued from Page A16)

Also crucial, according to one legal adviser, is the element of cause. That is to say a plaintiff suing for property damage must prove that the damages actually resulted from the negligent actions of a farmer or an agent.

For instance, with the application of chemicals, did the farmer or chemical applicator use defective equipment? Did the farmer apply chemicals too close to the fence line, making it easier for neighboring livestock to reach through and eat the treated plants?

Did the applicator spray on a windy day when particles were likely to drift to the crops of others? Did the farmer fail to give neighboring landowners warning before spraying? And did the aerial applicator fail to cut off the spray equipment when making turns over the crops of others?

If the answer to any of these and other similar ones is yes, then the legal expert says the court could decide that the farmer or the applicator did not exercise reasonable care. Then the court would have to determine whether the likelihood of danger was foreseeable and finally whether the pesticide was actually the cause of the damage. Only then, after determining breach of ordinary care, foreseeability of harm and causation, will a court hold the

farmer or an agent liable in negligence.

Here's a problem that often comes up in farm legal battles. What if a farmer hires workers who apply a pesticide negligently, resulting in damages to a neighboring farm? Is the farmer liable for the negligence of workers?

My legal source says that the general rule states that a farmer may be liable for negligent acts of employees, but not the negligent acts of independent contractors. There may be a fine line there, one that would have to be sorted out in court with the liability depending on the interpretation of an employee and an independent contractor.

Basically the courts have said that the difference rests with the amount of control that the employer is entitled to exercise over the worker. If free to carry out the job without detailed supervision, the worker might be legally classified as an independent contractor. Most commercial crop dusting operators are in that category.

Workers who are subject to close and detailed supervision, however, are legally classified as employees. There's a subtle difference that could probably only be determined in court, but in general it points to the necessity of hiring experienced, qualified contractors

Lancaster to host NEMA spring seminar

LANCASTER — Northeast Egg Marketing Association plans to hold its spring seminar for egg producers here on Thursday, April 1, 1982.

Members will gather for a one day conference at Quality Inn, 500 Centerville Road, Lancaster.

In announcing the event, NEMA's General Manager Wm. S. Rent said, "Our directors feel it is appropriate to bring this session to the heart of the Pennsylvania white egg basket. Invitations have gone out to Francis Riley of Boaz, Alabama, newly elected chairman of the Board of United Egg Producers and to Al Pope,

president of that organization. Because of their close, daily involvement in UEP affairs, both are uniquely able to evaluate the many changes taking place in the egg industry."

"This meeting will be designed to offer a prime opportunity for NEMA members to invite industry neighbors and associates to learn more about our national egg cooperative and its regionals," Rent continued. "I know that Francis Riley and Al Pope will welcome the chance to talk to producers at a point in the Nor-

theast where so much is happening relative to egg production."

NEMA is being urged to again invite to this seminar, Attorney George Isaacson of Lewiston, Maine. He is an expert in affairs involving labor relations, labor law and workmen's compensation matters. Past appearances at NEMA gatherings have sparked intense interest.

As final details of the seminar are developed, it will be announced. Industry people who want to attend the session should write NEMA, P.O. Box MM, Durham, New Hampshire 03824.

Fischer's Holstein tops Fulton Co. DHIA

McCONNELLSBURG — Crystal Spring dairyman, J. Dale Fischer led Fulton County with 18,495 pounds of milk and 670 pounds of fat at the close of the county DHIA 33rd year.

Fischer's 7-year-old Holstein topped the county for milk with 25,814 pounds. A 2-year-old Holstein, owned by Morotai Farms of Neemore, finished with a high fat production of 1,054.

Three herds finished with more than 600 pounds of fat. They include: Fischer, Morotai with 15,940 pounds of milk and 637 pounds of fat; and Wallace Mellott,

Harrisonville with 11,680 pounds of milk and 620 pounds of fat.

The Fulton County DHIA is comprised of: President—Earl Gordon; Vice President—Donald Bard; Secretary-Treasurer—Betty Hine; Directors—Frank Palmer, John Carpenter, and Ed Swope; Supervisors—Harry McMullen and Judy McMullen.

Fulton County's 1,375 cows on test finished with averages of 14,244 pounds of milk and 536 pounds of fat. Thirty-seven whole-year herds and five Owner-Sampler herds completed the 1981 testing year.

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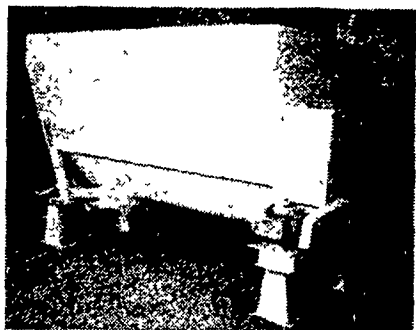
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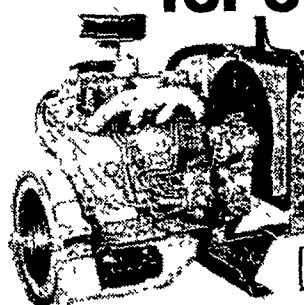
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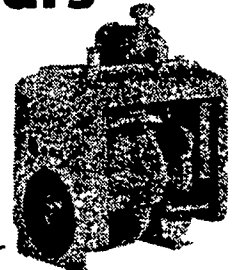
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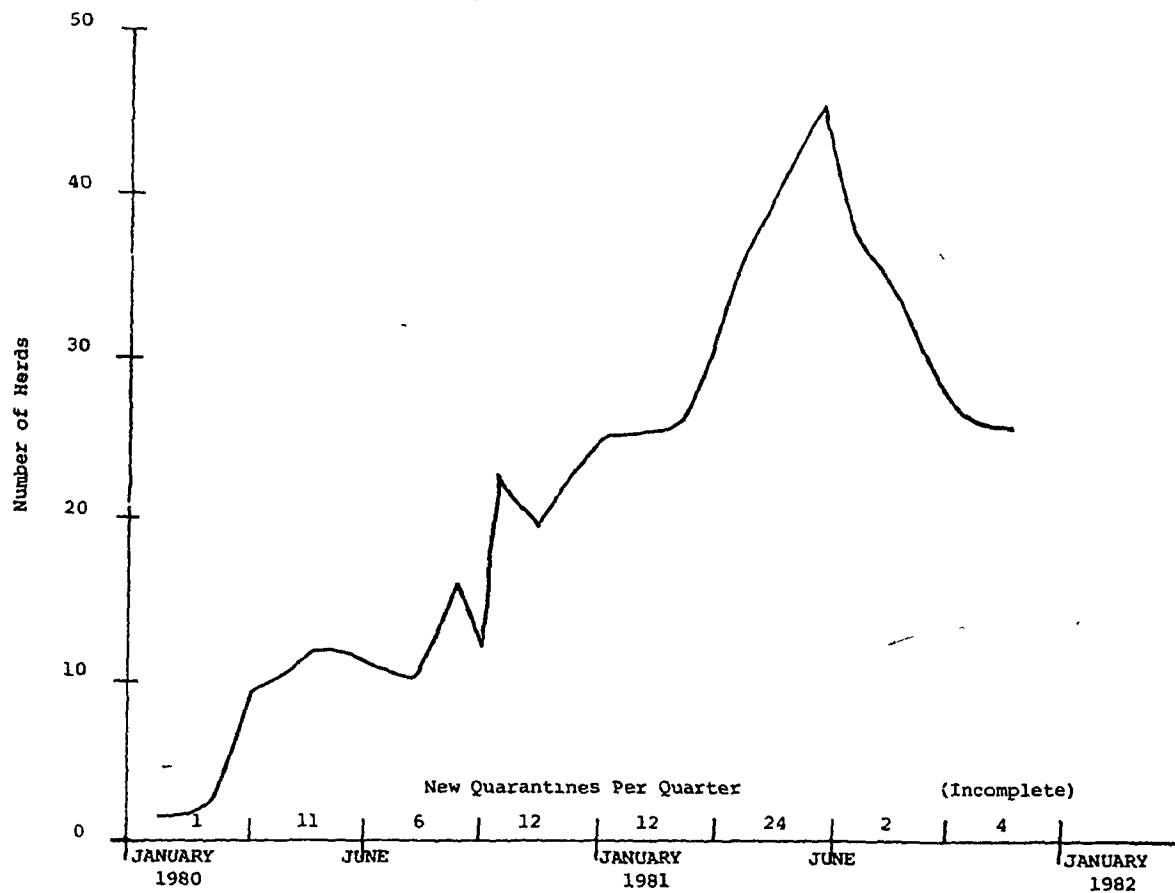
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PENNSYLVANIA PSEUDORABIES

Number of Quarantines in Force Each Month



What You Should Know About Swine Health

by Glenn Shirk
Lancaster Extension Agent

(Editor's Note - This is the fourth article in a series on swine health.)

A Review of PA Pseudorabies

Concern about the pseudorabies situation is one of the things that prompted this series of articles on swine health.

While pseudorabies is a concern of the swine industry, it is not—and should not be—the only health concern. Other diseases are just as costly, or even more costly, than pseudorabies.

This article, however, will focus on PRV. What is our present status? What are the trends, locally? Are we making any headway on the problem?

The following information, prepared by the public information office of the Pennsylvania Bureau of Animal Industry answers some of these questions. The "Guidelines for Preventing Pseudorabies" is also a good guideline for preventing other swine health problems as well—a very valid concern for this time of the year.

Last winter, eastern Lancaster County experienced an outbreak of pseudorabies.

In a five-mile area, farmers experienced high losses in newborn pigs and the occurrence of downed steers and dairy cattle

with severe itching symptoms. Veterinarians tentatively diagnosed this illness as pseudorabies. This diagnosis was then confirmed by tests at the Pa. Dept. of Agriculture's Summerdale Laboratory.

PRV almost was unheard of in Pennsylvania prior to 1980. However, in January 1980, a central Pennsylvania veterinarian made a tentative diagnosis confirmed by the Summerdale Lab, that a group of feeder pigs had PRV.

An investigation of the source of this outbreak identified three PRV infected herds. These herds were located in the area between Ephrata and New Holland.

The next case of PRV was diagnosed in a Lancaster County herd that had severe losses of newborn pigs, dogs and cats. By April 1980, nine herds were known to be infected with PRV.

During this time, a farmer in Lebanon County lost eight heifers that had mingled with his swine. Traceback from this farm resulted in the disease being diagnosed in three more herds.

October showed another increase in PRV. Pseudorabies surveillance of swine throughout Pennsylvania was done by testing blood collected from breeding animals at time of slaughter. The surveillance program identified five additional herds, two in Lancaster County, and one herd each in Lebanon, Berks and Schuylkill counties.

To identify the area affected by

pseudorabies, the Department of Agriculture tested 207 herds in a 50-square mile area between Ephrata and New Holland, Lancaster County in April and May, 1981.

Results of the survey were not surprising. Twenty-two infected herds, mostly neighbors of known infected herds, were discovered.

Pseudorabies surveillance through blood testing from culled breeder swine at slaughter has been continued. Only one new infected herd has been found by the surveillance program in 1981. This herd is in the same area of Lancaster County.

Since January 1980, 70 Pennsylvania swine herds have been infected with pseudorabies. A total of 24 farms including 15 breeding herds and 9 feedlots are still under quarantine.

Winter stresses, associated with many livestock diseases appear to be related to increased incidents of PRV. Often a single normal appearing hog may be a carrier of the disease and shed the virus after being affected by stress such as weather, moving or farrowing. Susceptible animals become infected, becoming severely ill and die. Co-mingling of swine and cattle is of real concern to many. Walking from hog pens to barns where dairy or beef animals are kept can also be hazardous.

The Lancaster County PRV task force has been working to stop the spread of the disease. You can help by managing your herd according to the following recommendations: Contact veterinarians, Extension agencies or the Bureau of Animal Industries offices for more information about pseudorabies.

Prevent Pseudorabies

Guidelines for Pork Producers

A. ALL HERDS

1. **SEPARATE** hogs from all other livestock.
2. **NO UNAUTHORIZED PEOPLE** allowed in any hog house or on any livestock truck; authorized people should use **DISINFECTANT** and **FOOT BATH**, shower facilities or disposable clothing, etc. Post a sign, use locks, and heed quarantines.
3. **STRAY ANIMALS** should be controlled—cats, dogs, rodents, wildlife, etc.
4. **PRE-SORT HOGS** for shipment; prevent hogs from entering truck, and then returning to pen.
5. **HAUL** feeder pigs and breeding stock in **CLEANED** and **DISINFECTED** vehicles only.
6. **EQUIPMENT SHARED** with other farmers should be cleaned and disinfected especially if it contacted hogs and hog manure.
7. **CLEAN AND DISINFECT** trucks and boots after visiting or hauling stock to any auction or buying station.
8. **DISPOSE OF DEAD** animals promptly. Bury under one foot of cover, incinerate, or seal in plastic bag and give to a scavenger, etc., beware of leaky scavenger trucks.
9. **AT FAIRS** separate hogs from other livestock. Fair rules should recommend hogs be negative to a test conducted within 30 days of show, or come from qualified pseudorabies free herds. Isolate and re-test breeding stock returned to farm.
10. **CALL VETERINARIAN** if questionable health problems exist.
11. **ERADICATE** pseudorabies infections promptly. Ask your veterinarian, regulatory personnel or Extension personnel for assistance.
12. **ENCOURAGE EVERYONE** to follow these guidelines - farmers plus sales and service personnel.

B. BREEDER HERDS:

1. **TEST ALL** newly-acquired breeding stock. Be sure they are negative **BEFORE** they come onto your farm.
2. **ISOLATE ALL** newly-acquired breeding stock for 30-45 days.
3. **RE-TEST ALL** newly-acquired breeding stock 30-45 days after arrival—before adding them to the breeding herd.
4. **HEALTH CERTIFICATES** should accompany ALL out-of-state hogs. Hogs should be individually identified.
5. **FEEDING STOCK** should NEVER be purchased and brought onto a farm that has breeding stock.
6. **SEED STOCK PRODUCERS** should strive for a **QUALIFIED PSEUDORABIES FREE** herd.

C. FEEDER HERDS:

1. **HEALTH CERTIFICATES** should accompany ALL out-of-state hogs. Hogs should be individually identified.
2. **TEST 5-15 percent** of ALL out-of-state auction pig.

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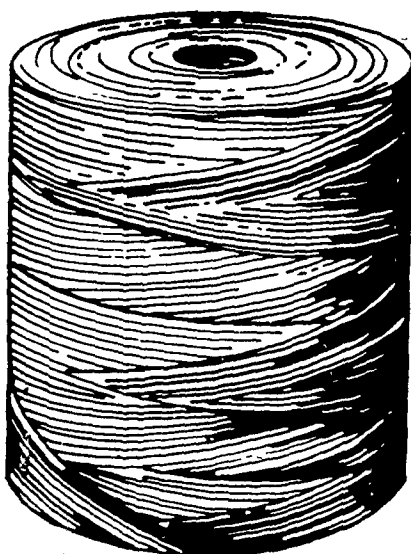
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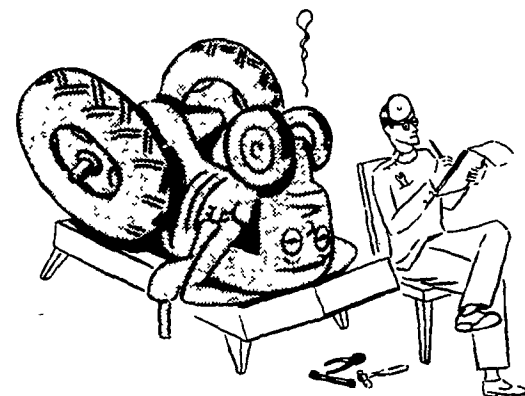
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Truck station hearing

(Continued from Page A24)

because of the flexibility, security, greater effectiveness and possible reduction in personnel."

The Department said they "strongly considered" constructing the weigh station at the existing eastbound roadside rest, located east of Rehrersburg. However, they pointed out that at this site three or four additional acres of farmland would be required and the site is abutted by about a dozen homes.

The site that the state selected as their first choice is Site No. 5, located between Strausstown and Shartlesville. This site would involve a two-directional weigh station with scales on opposite sides of the four-lane highway. Penn DOT pointed out it already owns 20 acres on the westbound side and would only purchase an additional 5 acres on the north side of the highway. The full 25 acres would need to be purchased on the eastbound side.

This additional farmland involves Class II and IV soils, which is only "marginal" prime farmland, according to Penn DOT's press secretary.

When questioned as to whether Penn DOT had submitted the proposed weigh station plans to the Department of Agriculture's condemnation review board, the District Supervisor said Penn DOT's attorneys have suggested this would not be necessary in this case.

Penn DOT also has not submitted any erosion and sedimentation control plans, as required by state law, to the Berks County Conservation District for review. According to a Penn DOT spokesman, these plans will be submitted within the next 6 months when the final design package is completed.

Sewerage disposal plans were recently turned down by the Upper

Merchuck township supervisors, according to board chairman Kenneth Grimes.

"The plans they submitted involved an elevated sand mound design," he explained. "We turned it down because we don't want the weigh station in our rural area. It contradicts our township planning."

Grimes, whose father's farm would lose about an acre of land to the proposed weigh station, explained that the selected site is presently zoned either low density residential or agriculture preservation. This zoning was adopted Nov. 8, 1976.

The land owned by Penn DOT presently for the rest area that was never built is zoned as preservation. This zoning permits single-family dwellings, home businesses, woodland and game preserves, fish hatchery, and municipal uses, such as a township building. Under a special exception provision, a veterinary office would be permitted.

Under the low-density residential zoning, all agricultural uses would be permitted, along with single-family dwellings, home businesses, municipal uses, and parks.

No where, pointed out Grimes, are there provisions for weigh stations.

One of the biggest questions in the minds of the farmers present at the meeting was whether or not trucks would be able to bypass the weigh station by leaving I-78 and running old Route 22 — a two-lane secondary road.

The Penn DOT representatives assured the local citizens that "mobile teams with portable scale equipment will be utilized on the bypass routes to discourage deliberate bypassing of the permanent weigh stations." They also suggested the township post for "no trucks" and have bridges

(Continued from Page A24)

to pay interest on the money they owed the Deismans.

After the legal ordeal had ended, the Deismans once again gave a sigh of relief and looked forward to getting their farm and lives back in order. But, their respite was short-lived.

This past September, another Penn DOT letter was in the Deisaman mailbox. According to Deisaman, this was the straw that broke the camel's back.

The state informed the farm family, which now included their son Stanley who had taken over the dairy operation, that they are intending to build a truck weigh

inspected and posted for weight limits.

Grimes questioned whether the state had sufficient police to patrol the bypass routes during the 40 hours each week that the weigh station is in operation.

"I spoke to Trooper William Bandholz from Hamburg who told me there are only two state police patrolling I-78 between New Smithville to the Lebanon County line at night," Grimes stated. "If there is no bypass deterrent, there will be a traffic hazard on old Route 22. Besides, there's no place to pull a truck off the road safely. And, if Penn DOT stops all trucks on that road like they say they will, and it takes 5 minutes to weigh each truck, traffic will be backed up for miles."

Grimes also noted that last year Penn DOT increased the weight limit for trucks on all highways. "If it's so hard on the roads, why

and safety station along I-78. Their preferred site, they stated, would involve 'buying' an additional 15.7 acres of land from the Deismans. This would be taken off the south side of the highway.

"If they do this, we'll have no room for cows," exclaimed Grace. "They'll take our meadow land. We'll have to sell the cows."

According to the preliminary plans received by the Deismans from Penn DOT, the weigh station would extend to a point only 150 feet from the heifer barn. And, said Deisaman, the grading plan would leave a 25-foot high bank at the boundary.

"About the only thing that will be

did they raise the weight limit?" he asked. "Heck, there aren't enough state police on this road to enforce the speed limit. And now they want to increase their restrictions?"

Grimes, who milks a herd of 60 registered and grade Holsteins, says he sometimes has to travel old Route 22 with farm equipment. Any increased truck traffic would pose a safety threat for farmers using the highway and school children boarding and disembarking from busses.

He pointed out the township's action on the sewerage application is really just a "stall" tactic. He said he believes the township is

(Turn to Page A30)

good for is growing groundhogs," he laughed.

Although the decision for the weigh station has not been finalized (see accompanying story), the likelihood of the state changing its intentions seems slim. Even in the face of this further dissection of their farm, Deisaman said he is not bitter.

"I understand they've (Penn DOT) got a job to do. But they could do a better job, especially at settlement," he stated. "They're going to have to come up with a good price because this time we're finished."

"For a man with plenty of acreage, selling land to the state might be beneficial. But, thinking back, if I had farmed this whole farm for the past 30 years since the highway was built — or for the past 40 years before the highway took our land — I would have been financially better off."

What will the new year bring for the Deisaman dairy farm? It's hard to say. But Deisaman, along with neighboring farmers, is planning to try to stop the weigh station from being built on the land.

If it does come to pass, Deisaman said he won't be able to hold on — not with only 25 acres of land — half the farm he and Grace worked for and built their dreams on. This will be the last time Penn DOT will take their land — next time it will belong to someone else.

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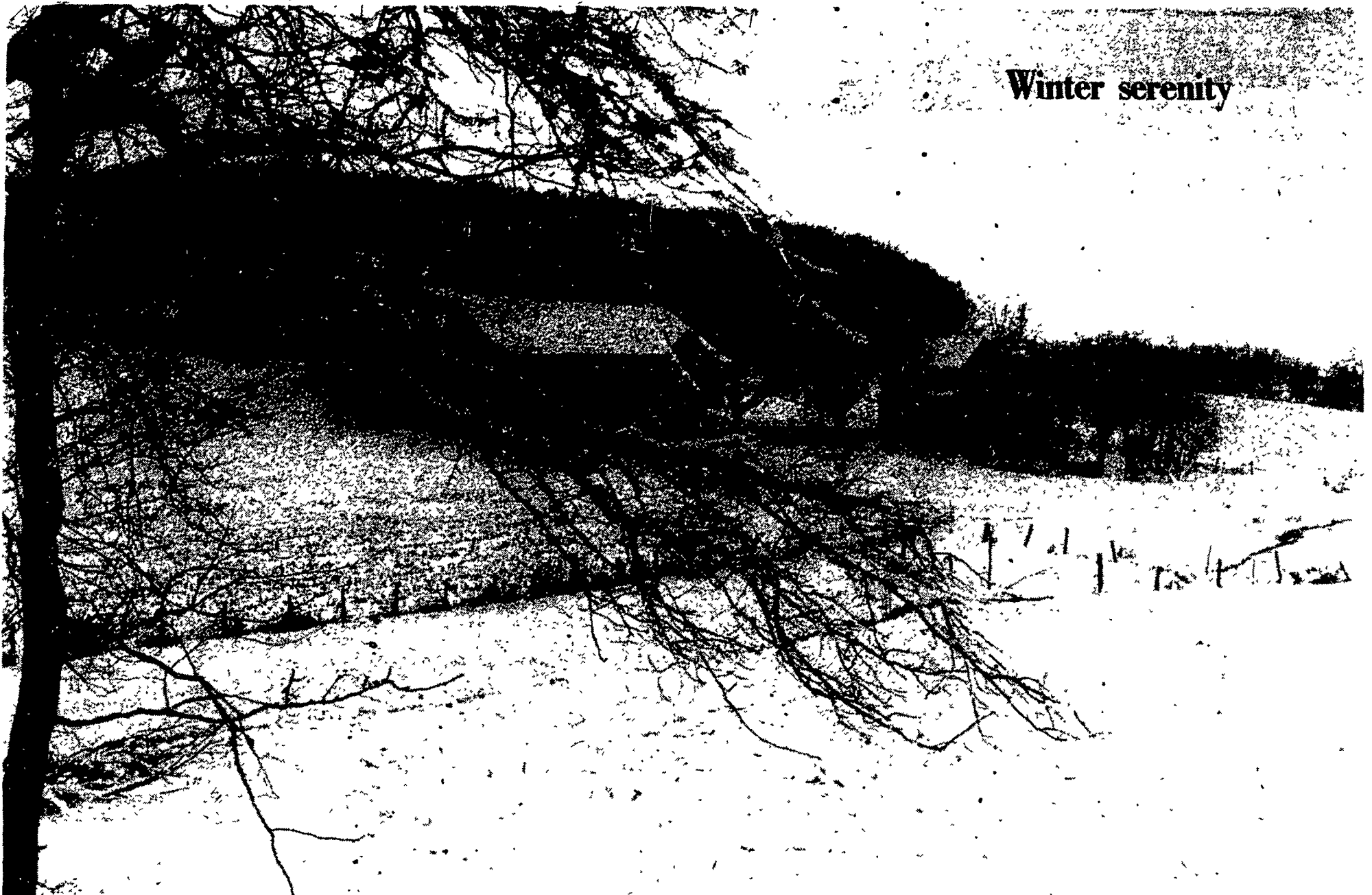
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- and it is actually Christmas present, it offers a glimmer of Christmas future - preserved farmland offers not only security, but also beauty for future generations.

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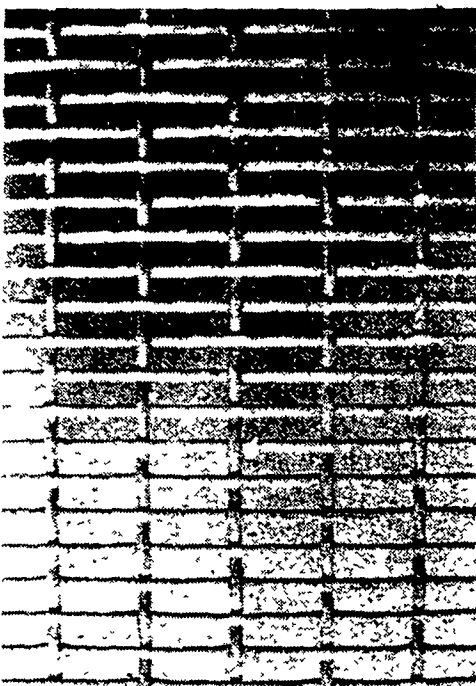
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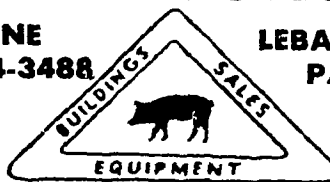
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Army field band to perform at Farm Show

HARRISBURG — The internationally famous United States Army Field Band and Soldiers' Chorus, the "Musical Ambassadors of the Army," will delight visitors on opening day, Jan. 10, and the 66th Annual Pennsylvania Farm Show.

State Agriculture Secretary Penrose Hallowell reported the field band and chorus will perform a one-hour concert as part of opening day ceremonies in the main arena of the Farm Show Complex.

Hallowell said, "The Army Field Band and Chorus is one of the most professional and polished groups in the service today. It is no surprise they receive high praise wherever they appear."

Formed in 1946, the band is the official touring musical organization sponsored by the United States Army. In more than a quarter of a century, the band

has traveled over two million miles in this country, Europe, the Far East, Central America, and Canada, performing before millions of people.

Under the direction of Lieutenant Colonel William E. Clark, the Field Band is not the typical martial band. Its repertoire includes compositions by famous composers, popular melodies and the stirring strains of fine band music.

The Soldiers' Chorus is the "voice" of the Field Band. It is comprised of 24 highly-trained and talented vocalists under the direction of Captain Gary F. Lamb.

Also formed in 1946, the chorus

presents its own special arrangements of well-known compositions, ranging from the world of opera to the Broadway stage, and from spirituals to patriotic medleys.

Considered by critics to be one of the finest vocal groups now appearing before the public, the Soldiers' Chorus has, in addition to performing with the Field Band all over the world, performed frequently on network radio, television and in motion pictures.

Hallowell said, "A succession of leaders and instrumentalists, each adding his special brand of talent to the group, has created the unit which we are proud to have perform at this year's Pennsylvania Farm Show."

Penn DOT weigh station

(Continued from Page A28)

almost powerless against the state's eminent domain privilege.

If the Penn DOT weigh station plans go through, this \$6 million dollar project will be financed by the state and the Federal Highway Administration. FHA is actually picking up 90 percent of the cost. It will join the six other weigh stations located throughout Pennsylvania.

Berks County's Grange Master summed up the feelings of the crowd when he stated, "You're building a parking lot for unsafe trucks. You're spending that much money and taking that much

farmland to support a part-time job."

This weigh station site would take valuable land from at least five farms, including Miles Hollenbach, R1 Bernville; William Dobler, R1 Bernville; Richard Mogel, R1 Bernville; Robert Deisaman, R1 Bernville; and William Grimes, Strausstown.

Full-time farmer Robert Deisaman claims this land seizure will put him out of business.

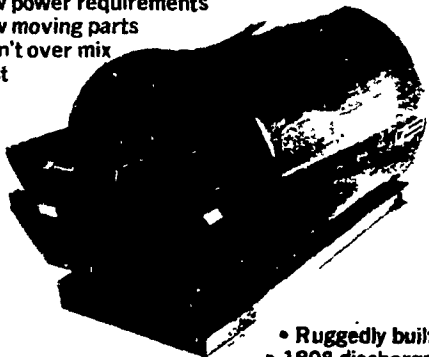
One Penn DOT spokesman stated, "Our objective is not to put people out of business, but to serve the public."

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Governor signs volunteer bill

HARRISBURG — Legislation introduced by a Lancaster County Republican to spur volunteerism in Pennsylvania's state parks and forests has been signed by Governor Dick Thornburgh.

Rep. Noah Wenger, the prime sponsor of House Bill 145, says his measure would authorize the Department of Environmental Resources to establish and operate a volunteer program to assist in park and forest activities.

The Ephrata lawmaker said the new act allows "volunteers to assist in visitor services, interpretive programs, maintenance, conservation measures and other activities."

Wenger noted that the legislation will be beneficial in two ways: "First, it provides experience to young people with environmental interests, and second, the general public benefits through improved services at parks and forests."

In the past, insurance complications have prevented volunteers from working in state parks. Under Wenger's legislation the volunteers would not be paid, but would be entitled to insurance and reimbursements for expenses.

"In light of recent changes in federal funding, encouraging voluntarism is especially important," Wenger added.



Rep. Noah Wenger, R-Lancaster, (seated at left) looks on as Governor Dick Thornburgh signs legislation Wenger introduced to encourage volunteer work in state parks and forests. Rep. Paul Wass, R-Indiana, a

cosponsor of the bill and Environmental Resources Secretary Peter Duncan (standing) also attended a brief signing ceremony in the governor's reception room.

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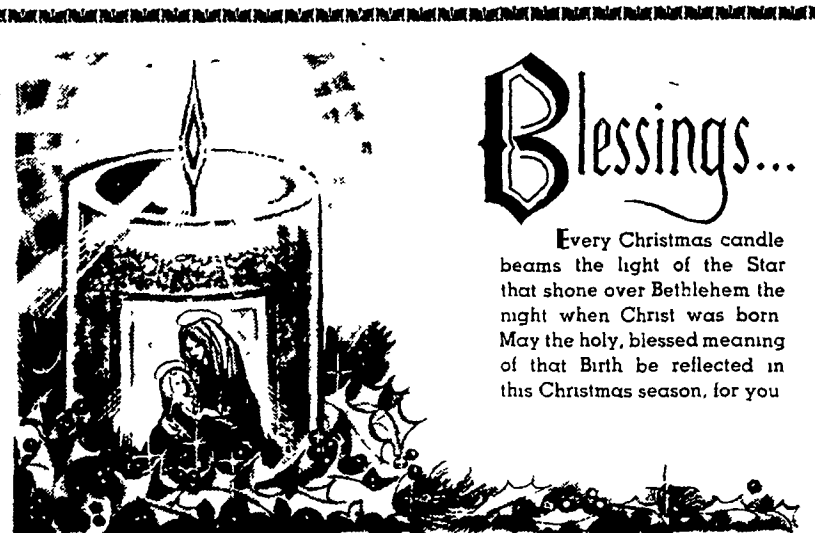
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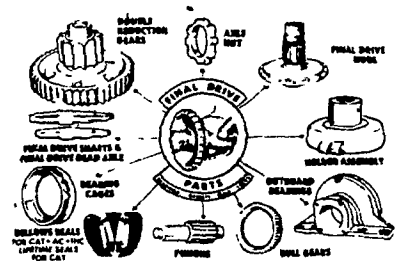
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December harvest - what else but Christmas trees?

BY JOYCE BUPP
Staff Correspondent

YORK — While most farmers across the mid-Atlantic area were parking away their pickers and cleaning out the combine bins, harvest of a different nature was just getting underway at Strathmeyer Forests, Inc., Dover.

And the crop that Fred Strathmeyer and his sons began gathering in late November has already been growing in the fields for some ten years.

The Strathmeyers are growers of Christmas trees, about 500 acres worth of them, spread across sites in York, Adams, Cumberland and Columbia counties.

They also sell over two million evergreen seedlings annually, a large percentage of that wholesale, bare-root nursery stock marketed to other Eastern commercial Christmas tree growers.

A fourth-generation business, Strathmeyer Forests family nursery and tree operation includes Fred Strathmeyer, his sons Fred, Jr., Gary, Tim and Brian, still in college, plus sister Robin who, with her husband, returns home weekends from State College

to lend a hand during this busy holiday season.

Great grandfather Strathmeyer began selling holiday trees back during the Great Depression, and Fred's father expanded the business into plantings of evergreen stock. With four sons all actively interested in the nursery growing, wholesaling and retailing angles, Fred who heads the state's Christmas Tree Growers Association, has continued to expand the "tree farm," and the nursery part of the business that has outdistanced Christmas tree production.

The bulk of the 15,000 trees being sold by Strathmeyers this season was cut off acreage at the farm near Airville in southern York County. About one-third of those go out to York area customers from a retailing site on Roosevelt Avenue, under the management of son Gary.

Trees grown at Strathmeyers begin life as seeds, planted in the Fall in raised, outside seed beds, and left to germinate over the winter months as evergreen seeds would do in the wild state. Most popular seeds with the Christmas



Gary Strathmeyer stands up a potential York Christmas tree for customer Eugene Shaffer of

tree trade are species like Douglas, Fraser and Concolor (or white) firs, and Scotch and white pine.

Seeds from carefully selected strains are purchased from suppliers across the nation. Douglas fir seed, for example, is brought in from Colorado, and Fraser seed comes from North Carolina.

After germinating in the seedbeds, the evergreen sprouts are fertilized, kept moist, and shaded during the hottest weather. At the end of two years, they're moved to field transplant areas, and carefully spaced at planting so that each two-year seedling has about 6 inches in each direction to encourage sturdy root growth and branching.

With two more years developing in the transplant sites, the four-year-old plants are ready for their final trip to permanent growth sites in the Christmas tree plantations.

Because the seedlings already have their sturdy four-year start, Strathmeyers and their wholesale customers find quicker field growth from the small trees, with a lower mortality rate.

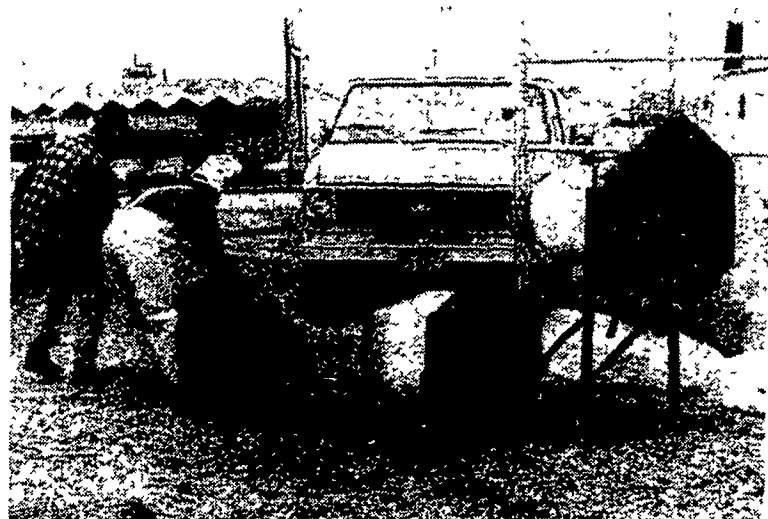
In their final location, maturing Christmas trees need minimal individual care. Trees with double "leaders," or two branches poking out of the top instead of a shapely and symmetrical single one, have one of the leaders lopped off.

Only after the trees have another few years of growth in the permanent fields does it become necessary to shear them annually to promote branching and the classic Christmas tree shapeliness.

Pest control consists mainly of controlling weed growth, using a spring spraying to control the annuals, with a swipe during the fall at the perennial types, using Roundup. Although occasional insect of fungus infestation may occur, many of these cause only unsightliness or discoloration, not actual physical harm to the tree.

"There are numerous diseases that can hit evergreens," says Fred Jr. "But we're not yet affected much by that problem because we're still in our first plantings. After a sight is replanted a couple of times, then diseases can build and become a problem."

He credits York County as being a healthy area for evergreen growth, since heavy winter storms that damage tree branches are not too common. Strathmeyer's close location to the metropolitan areas in southcentral Pennsylvania is an added bonus for both sales and holiday trees and for the landscape nursery business.



Before a Strathmeyer Christmas tree customer hauls his purchase home for decorating, Gary "gift-wraps" the evergreen, sending it through a device that encloses the branches loosely in wide mesh plastic net, for ease of handling and branch protection.



Hauled from the fields on wagons, the Strathmeyer trees will be loaded on trucks for delivery to retailers in dozens of locations across the eastern seaboard of the country.

After the tree harvest crew selects and sells a number of trees in an area of cutting, the evergreens are fed, one at a time, through a baling machine — a specialized piece of equipment that compacts the branches and wraps each tree loosely with a plastic twine. Baling the trees reduces chances for limb breakage and allows the compacted trees to be loaded, trucked and handled with greater ease.

The harvest and delivery is

handled by Fred, Fred Jr., Tim, and a crew of full-time men and several part-time employees either vacationing or moonlighting from another job.

Gary is in charge of the retailing business, operating from an outside site located on York's Roosevelt Avenue. Only in use for the second year, the retail site opened to customers on December 2 and will stay in business till Christmas eve.

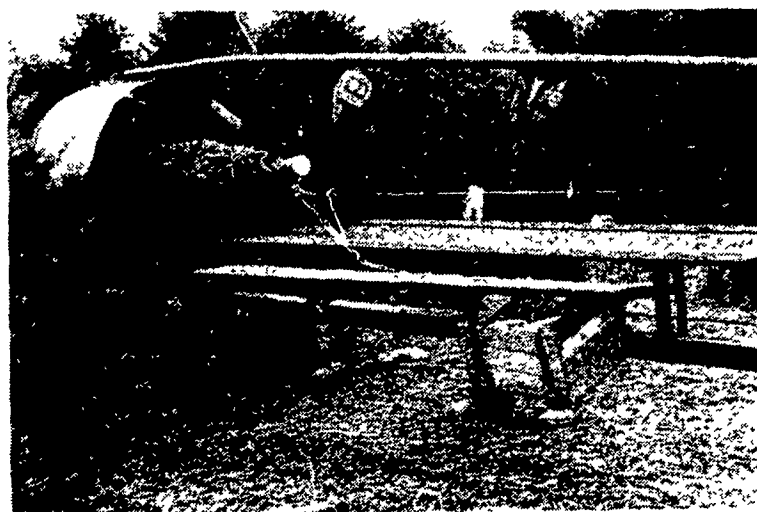
(Turn to Page A33)



Seemingly endless rows of evergreens of all sizes march out alongside the curving slopes of the Strathmeyer tree farm in southern York County.



Freshly-cut broad and bushy evergreens from the Strathmeyers tree farms are fed into the back of the eight-horsepower motor Howey Christmas tree baler machine....



...and come out the front neatly wrapped with plastic twine for a compact shipping package.

Hallowell, dairy committee iron out milk referendum

BY DONNA TOMMELLEO

HARRISBURG — Pennsylvania dairy farmers may be able to vote on the proposed dairy referendum as early as March 1, Pa. Secretary of Agriculture Penrose Hallowell said Tuesday.

Hallowell's announcement followed a meeting that included several dairy farmers and co-op representatives, who met with Hallowell to review the referendum draft and establish a time table. In addition, said Hallowell, the committee adopted a few

minor proposal changes.

The proposed referendum will provide more than \$9 million a year to increase sales of milk and dairy products by deducting about 10 cents per hundredweight of milk from every Pa. producer.

Hallowell said the proposal is expected to be printed and mailed to dairy farmers in January. The committee decided on four regional meetings beginning in February. However, Hallowell said that a fifth meeting in western Pa. is still under consideration.

The four meeting sites and dates are as follows: Feb. 5 — Hazelton; Feb. 8 — Penn State; Feb. 9 — Lancaster; Feb. 10 — Warrendale.

Hallowell explained the public meetings, which will all begin at 1 p.m., were set in certain areas so that most farmers could attend with no more than a two-hour drive.

Following the March vote, a teller committee will be appointed to tabulate the votes, said Hallowell. The Secretary said he hopes to have the tabulation accomplished by April 1. If approved, the referendum is expected to be law by July 1, 1982, the beginning of 1983 fiscal year.

The committee also approved a 3 percent administrative cost, instead of the proposed 4 percent.

The referendum, if approved, will be regulated by an advisory committee. Following Tuesday's meeting, Hallowell said, the committee will consist of those persons actively engaged in milk production. An all-dairy farmer committee should, "strengthen the decision-making ability of farmers making contributions," Hallowell explained.

The committee will consist of 20 people with three-year terms. The responsibility of the committee will be to develop and administer the program. Hallowell said such duties include advertising and promotion (except brand name), research and new product development and nutritional education programs.

Scenes of the season



At Christmas time, beauty fills not only everyone's heart, but also the world around us. What moments before was just a plain broken fence, now is a haven for glittering icy crystals - dropped on a spot which, no doubt, has been adorned thus for centuries.

Christmas tree harvest

(Continued from Page A32)

Waiting on a constant stream of buyers keeps Gary busy most of the time as he explains the various species of trees, makes recommendations for selections, and keeps the wall of the small sales booth filled with a supply of fresh evergreen wreaths.

Trees sold are in two size breakdowns, the 6-7½ size and the 7½-9 foot size. Prices this year range from about \$2.25 per foot to \$2.75 per foot depending on the species of tree selected.

Douglas fir is the undisputed favorite of Strathmeyer customers and a giant 13-foot-tall Douglas from the Dover growers is currently gracing the Governor's mansion in Harrisburg. Gary tells customers that Douglas firs are soft, and of dense and shapely branches.

Scotch pine, with its stiff, medium-length needle, is another traditional favorite.

Showing great promise to win over new converts is the Concolor

fir, also called the white fir. Its branches are layered, very full, and the strong fragrance of the Concolor is rich with a fruity, spicy scent, and a hint of orange.

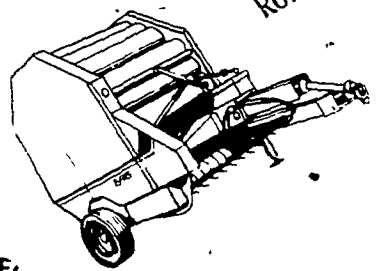
Fraser fir is another up-and-coming variety, although the Strathmeyer plantings of this tree are still too young for retailing. The few that are on the market are more likely to have been shipped from growers in northwest Pennsylvania, or have been brought up from North Carolina.

Since all four of the Strathmeyer sons are joining the family business, plantings of both Christmas trees and other nursery stock have tripled in the last few years.

"We've been planting 50,000 to 70,000 new seedlings each year," notes Tim, "and expect to just about double our sales of Christmas trees over the next few years."

And that's good news for all the live Christmas tree lovers of the area.

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Mystery leaves sleuths up in the air

Farmers and officials try to solve 'The Great Whirly-Bird Caper'

BY DONNA TOMMELLEO

ETTERS — All right, Agatha Christie fans, get out your pen and paper and get ready to solve one of the greatest mysteries of the year.

However, once you have all the clues, you still may come up empty-handed. Don't fret. You're in good company because even the Pennsylvania State Police, Nuclear Regulatory Commission, environmental engineers, state legislators, veterinarians and farmers have not yet solved the "Great Whirly-Bird Caper."

It began on an autumn day in October in the Central Pennsylvania community of Etters. Around noon dairy farmers Jane Lee and her brother-in-law

Jeremiah Fisher were in a pasture assisting a cow that was experiencing calving problems. Finally they delivered a 150 pound Holstein bull calf, which was a little slow getting started, said Lee.

Lee and Fisher were still in the field when they said they saw a blue and white helicopter that landed in nearby field, owned by Elias Connelly. The chopper pilot left the craft, scooped up a soil sample, boarded the chopper and was gone.

"The entire episode didn't last more than five minutes," Lee explained. Connelly was plowing the very same field at the time, however, his back was to the

helicopter and he was unaware of the incident, said Lee. Mrs. Connelly explained that no one had asked permission to take a soil sample.

Before we go on readers, let's add one more item, which you may or may not find useful. Fisher and Lee's Holstein dairy sits within four miles of Three Mile Island. Lee was one of the dairy farmers who said she had experienced health problems with the herd and other animals following the initial TMI incident in 1979.

About two months prior the to soil sampling, Lee said she observed black smoke emerging from the cooling towers which are quite visible from her farmhouse. When she questioned officials at the plant, she was informed that Metropolitan Edison was just testing.

Lee explained that following the helicopter siting, she assisted in four consecutive abnormal births, including the large bull calf. Up until that day, she recorded 18 consecutive normal births.

However, Dr. J. Cable, a veterinarian with the Pennsylvania Department of Agriculture who recorded the initial research on area animals following the 1979 incident, said the abnormal births were never brought to his attention.

"She (Lee) hasn't said anything to us and never brought anything into the lab," said Cable. "That's what our labs are for."

Cable, who also has a post doctorate in radiation, admitted that there was a small amount of iodine released in the atmosphere from the nuclear plant.

"But the effects they're claiming just don't fit in with the dosage."

Meanwhile readers, we still have to solve the case of the elusive chopper. Lee said that she along with several neighbors had noticed an increase in helicopter traffic about a month before the siting. Since the soil sampling, Lee explained the aerial traffic has markedly declined.

Lee reported the helicopter to State Representative Bruce Smith (R — York, Cumberland). Smith said he was unable to locate the source of the chopper.

The state police, who operate



Etters dairy farmer Jane Lee administers to the needs of a premature Holstein calf. The heifer was born after the mysterious helicopter siting.

similar blue and white crafts were informed of the incident.

"We've had at least six inquiries," said Cpl. Harold Hartman. "It wasn't our helicopter and I honestly don't know who it was."

Hartman explained that following the initial 1979 TMI incident, the state police were called to perform radiological monitoring from the sky. Since then, said Hartman, Met Ed has contracted private companies for such monitoring.

The Federal Aviation Authority also turned up a big fat zero. FAA Flight Service supervisor Ray Fitton said that without the

registration number from the aircraft, the chopper would be difficult to trace.

Gerry LaRoche, NRC environmental engineer was also questioned about the incident.

"We haven't been able to locate the source of the helicopter. We've investigated every lead we can think of," said LaRoche.

Well readers, have you solved this confusing whodunit, yet? This one may take some time. While Jane Lee and several other interested persons continue to ask questions, a chopper pilot sits somewhere with a bag full of soil, grinning like the cat that just ate the canary.



These criss-cross back legs of this heifer, were just some of the problems Lee encountered in a wave of abnormal births.

Pastureland emerges from strip mine scars

QUICKSAND, Ky. — Post-mining land use presents numerous challenges for strip mine reclamation efforts throughout the United States, with the creation of new pastureland emerging as a real potential in the future, according to a five year study by the U.S. Soil Conservation Service.

"Under proper management, a good portion of the many thousands of acres disturbed annually by surface mining in the eastern United States could be developed into new pastureland," says Charles F. Gilbert, manager for the SCS Plant Materials Center in Kentucky.

These results were brought to the forefront during the 73rd Annual Meeting of the American Society of Agronomy, December 3, in Atlanta, Georgia. The studies

were made possible through a U.S. Environmental Protection Agency grant.

Most surface mined land today is reclaimed with plants that mainly provide ground cover and reduce soil erosion. Present federal laws require many strip mine sites be returned to their original contours. Therefore, little use can be made of this mountainous or sloping land except for forestry, wildlife, and recreation.

Another method of mining in the Appalachian Region, called mountain-top removal, creates large tracts of flat rolling land. With proper management, many other land uses are possible.

From an agricultural standpoint, it was decided to test the value of growing hay and pasture plants on surface mined land. Results could demonstrate the viable alternative of raising livestock.

Establishment studies were conducted from 1976 to 1978. Then, clipping studies were carried out from 1978 to 1981. Many kinds of forage plants were compared to standard strip mine plantings.

"It has been determined," Gilbert pointed out, "that some of the new plants tested produced more hay than the standard planting mixture of 'KY-31' tall fescue and 'interstate' sericea lespedeza. These were a mixture of Causasian bluestem — a warm season bunchgrass introduced from the USSR — with 'Appalow' sericea lespedeza, a legume, and a mixture of 'Blackwell' switchgrass, a native warm-season prairie grass, with 'Interstate' sericea lespedeza.

"Furthermore, certain warm-season grasses grown on reclaimed surface mined land can be used to produce more hay and supplement tall fescue and 'Interstate' sericea lespedeza."

"Warm-season grasses perform well because they grow under intense sunlight on dry sites with poor soil, and produce higher yields than cool-season grasses, under the same harsh conditions," he said.

Gilbert concluded, "At a time when our nation's farm land is being lost, it is encouraging to

learn level land can be made that will add to our farmland base. As we become more energy self

sufficient, a good spin off from surface mining could be new pastureland."

Farm bill

(Continued from Page A1)

tion for farmers against export embargoes, and programs for agricultural research, extension and teaching.

"All Americans are gripped today by a painful recession. Our agricultural producers feel the sting of high interest rates and inflation the same as any other business man or woman."

The President continued, "The Agricultural and Food act of 1981 recognizes the importance of the market place and emphasizes the great export potential of American agriculture."

Reagan then turned to domestic affairs and announced that 30 million pounds of surplus cheese, purchased by the Commodity Credit Corporation and stored around the nation, will be distributed to each state. The states are responsible for re-

distributing the cheese, valued at \$43 million, to non-profit organizations that provide service to low-income families and individuals.

Pennsylvania Secretary of Agriculture Penrose Hallowell said, Tuesday, that Pennsylvania is already distributing much cheese through non-profit groups. The state, however, will look for ways to broaden the eligibility of other such groups.

Many state groups now receiving surplus dairy products are schools, senior-citizen groups and low-income persons, explained Hallowell.

Hallowell urged any group which may be eligible for the surplus cheese program but is not now receiving any surplus, to call Pennsylvania Department of Agriculture Surplus Food Program at 717-787-2940.



Composted waste can save growers money

COLLEGE PARK, Md. — Commercial growers in the nursery, landscape, greenhouse and garden center industries can improve plant quality, save money and conserve natural resources if they use composted waste for ornamental crops, according to a research scientist with the Maryland Agricultural Experiment Station.

Through advanced composting technology, municipal and agricultural waste can be converted into compost products in 60 days, says Francis R. Gouin, MAES researcher and professor of horticulture at the University of Maryland, College Park.

When used at recommended rates, these composted products can be used to improve depleted nursery soils, assist in reclaiming mined areas and amend potting mixes for growing nursery and greenhouse crops," Gouin says.

In addition to substituting for

milled pine bark and some peat moss, the compost also will aid in reducing the lime and fertilizer needs of these industries," he says.

"Composted municipal and agricultural waste sludges are rich in nutrients essential for plant growth," adds Gouin. He points out, however, that he is not recommending sludge compost for use on food crops for human consumption except for growing vegetable bedding plants for transplanting into the garden.

In a paper presented to the Biological Management of Industrial Wastes Symposium in Philadelphia last month, Gouin outlined current organic matter consumption by commercial growers.

In Maryland, growers from nursery, landscape, greenhouse and garden center industries use an average of 600 tons of organic matter each day, says Gouin. Most of the organic matter is in the form

of peat moss, milled pine or leafmold.

Most of that peat moss, he explains, is imported from the Canadian provinces of Nova Scotia and New Brunswick, while milled pine bark is trucked from the Carolinas.

"With an increasing number of ornamentals being grown in containers and greater use of raised planters in both interior and exterior landscapes, the demand for organic matter is likely to increase," adds Gouin.

By using composted waste, on

the other hand, Gouin says growers will maintain or improve the quality of their plants and save money while doing it.

At the same time, he adds, "they will be contributing significantly to the national efforts of conserving natural resources."



Washington-Greene Co. DHIA ends 58th year

WASHINGTON — The Washington-Greene County DHIA closed its 58th year recently, with 71 whole-year herds. In addition, nine Owner-Sampler herds completed the testing year.

The two counties' 3,299 cows produced an average of 13,848 pounds of milk and 528 pounds of fat.

Plainfield Farm of Carmichaels led the county in milk and was the only dairy with more than 700 pounds of fat. The Holstein dairy averaged 18,681 pounds of milk and 703 pounds of fat.

Members of the Washington-Greene County DHIA include President-Robert K. Lusk; Vice President-A.J. Celestine; Secretary-Treasurer-J. Walker Cowden; Directors-Clyde Robison, Sam Minor, Tollgate Farm, Robert Morgan, John Vetter, Rex Smith, John Grice III, Don Rush, and James Kearns; Supervisors-Jane Litman, James Arbuckle, Leonard Plance, John Ripley, Cathleen Nishnick and William Lutes.

Those herds averaging more than 600 pounds of fat are included in the following list.

Plainfield Farm	3	101.5	18,681	703
Harry R. Fehl & Sons	3	43.9	16,780	655
Mike & Robert Sustrick	3	52.6	16,098	652
H.G. & L.E. Smith	3	72.4	20,178	649
Jim & Holly McCaffree	3	38.7	16,921	649
Hamilton Helsel	3	58.9	17,175	640
Folly Hollow Farm, Inc.	3	66.3	16,731	639
Ellen-Dale Farm	3	45.7	15,786	630
A.J. & James Celestine	2	58.0	13,766	624
Clyde & Robert Robison	4	100.1	11,644	610
Misty Lea Farm	3	56.0	15,532	603
William G. Dinsmore	3	31.4	16,471	603
Robert K. Lusk	4	24.3	12,327	602

Sale Reports

A public auction of lawn and garden tractors, mopeds and snowmobiles was held Dec. 19 by Lawn Care of Penna., Daniel Z. Martin & Son, near Martindale, Lancaster

Co. Prices included: Kubota diesel tractor \$2,200, Mopeds \$340 to \$370, Wheel Horse lawn tractor \$900, Grasshopper 12 hp. mower \$1,200, White

lawn tractor \$1,450, Ford tractor with loader \$3,200, snowmobiles \$300 to \$1,500 and snowmobile trailer \$480. Sale conducted by Randal V. Kling & Lloyd H. Kreider.

xxx

A sawmill auction was held Dec. 17 by Tycov Bolter Inc., on Route 15, 1 mile north of Covington.

The following prices were received: Corley sawmill \$1605, Beloit hyd. elec. debarker \$1,700, vertical edger \$1,400, Mellott live belt deck \$1,500, Simonds 54" sawblade \$450, slab saw \$2,400, barn cleaner \$1,000, Ford 8000 lift truck \$4,000, Ford 4500 lift truck \$3,400, and log deck \$2,700.

Managed & sold by Dick Crittenden Auction Co.

xxx

A public auction of four properties was held Dec. 14 for the estate of William G. Randler in northern Lancaster County.

The No. 1 property was 18.23 acres in Clay Township and was sold for \$47,500.

The No. 2 property was 10 acres and was also in Clay Township. It brought \$18,000.

The No. 3 property was a 42,295 sq. ft. wooded lot in West Cocalico Twp. and was sold for \$5,000.

The No. 4 property was a 61.29 acre farm and farm improvements and was sold for \$108,000.

Auction conducted by John E. & Paul E. Martin, Aucts.



HOLIDAY SCHEDULE:

CLOSED THURSDAY DECEMBER 24 AT 3:00 PM, REOPENING MONDAY, DECEMBER 28 at 7:30 A.M.

CLOSED THURSDAY DECEMBER 31 AT 3:00 PM, REOPENING MONDAY, JANUARY 4 at 7:30 A.M.

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JD 480 haybine; JD 1440 no-till planter; NH 69 baler w/thrower; NH super 66; baler P.T.O.; JD 660 rotabar rake; Oliver rotabar rake; NH rotabar rake; disc harrows, pull type, transport and 3 pt.; Gravity bins; wagons; IH 2 row potato planter, 3 pt. cultivator; NI 323 picker; chisel plow; 3 pt. plows; New 3 pt. fertilizer spreaders; 6 ton wagons; gravity bins; 6' and 7' scraper blades; 5' rotary mower and boom poles; wheel weights; used tractor tires; AC model G combine and corn head; Farm trailers, 2 row JD 290 planter; Smoker elevator; snow plows and snow buckets.

This is only a partial listing! Some items may be deleted and others added due to daily business.

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1 Load Standardbred Driving Horses consigned by Reuben G. Stoltzfus.

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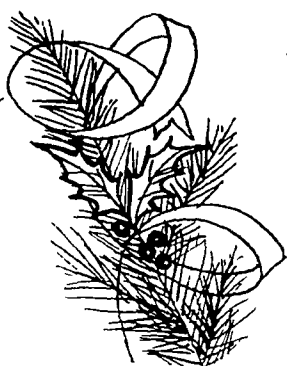


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Conquer children's post-holiday "blues"

Do you look forward to the week after Christmas when the last gift is unwrapped, the final Christmas cookie baked and the last turkey casserole is securely in the freezer. Or is it a time of unhappiness, with moments of friction due to your home-from-school children?

If the week after Christmas finds you on edge with children who appear ungrateful for the abundance of new things they received, you may be interested in knowing you're not alone.

Lancaster County Extension Home Economist Michelle Rodgers says that "post holiday blues" can easily creep into any home, and that it is natural for children to have feelings of being letdown after having been entertained by the family.

Michelle says, "If the post holiday blues do hit your household don't deny them. This is a normal feeling of unwinding. All the excitement and activities associated with preparing for Christmas can make getting back to a normal schedule a little disappointing."

She suggests planning some activities for after Christmas to wind down the children gently. Family outings could be saved to take place the week after Christmas or a gift could be held back. She adds, "An unexpected present can raise anyone's spirits."

Michelle states that holidays may be happier if preparations are made more sensibly and if a family celebrates with simple and significant rituals. She notes that

traditions associated with the holidays are important because they add to the security of the child and give them lifelong memories.

If you are reading this just prior to the arrival of Santa Claus, and you're dreading Christmas morning and the chaos that sometimes accompanies gift-giving, Michelle makes a suggestion to make things move more smoothly. In her family gifts are opened one at a time, beginning with the youngest and proceeding to the eldest. (The eldest may be miffed at waiting, but usually is willing to wait his turn patiently.)

It is sometimes difficult for children to watch their parents going to parties when they are left behind. Michelle suggests that parents plan something specific for children to do while they're out. Also, she advises telling children in advance, so it is not a surprise for them. While parents need activities just for themselves, Michelle says they should also plan activities which include the children.

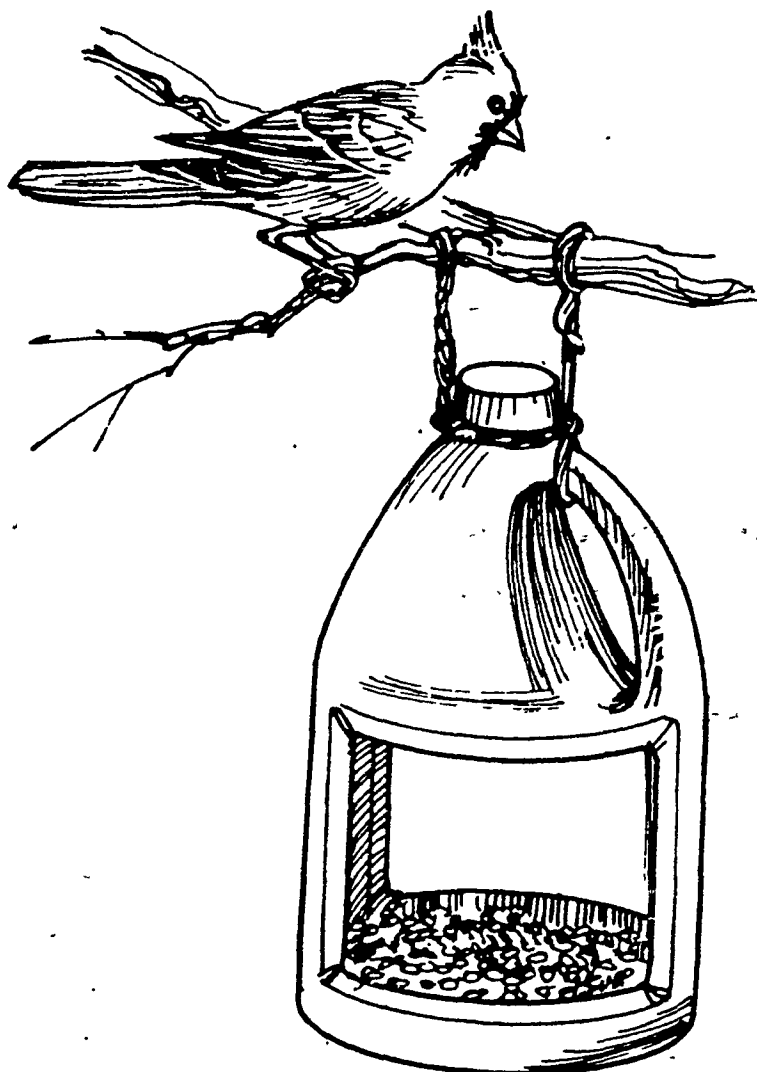
As an answer to the time when children come to you and say, "I don't have anything to do" (even with all those shiny new things under the tree), Michelle suggests a "surprise jar." In the jar give ideas for things to do. Children can choose a piece of paper with a suggestion, and this can also be used to assign jobs to be done. It will be especially interesting if fun things are included along with more responsible items.

Since children will not be seeing their school friends, it may be a good time to plan a tea party for the children and their friends. This is a great way to eat up leftover Christmas cookies, and there are some special "festive frosty flurries" listed at the conclusion of this article which children could make themselves.

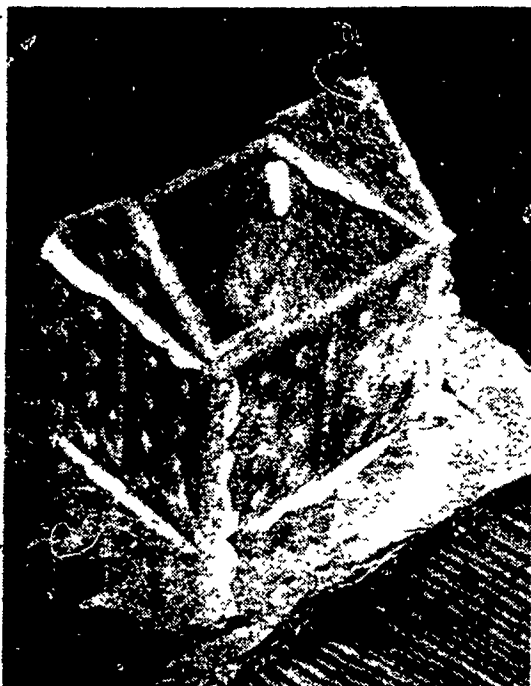
Another fun activity for children when they need a lift is preparing cheese fondue. They can watch the cheese melt and then cook their own food.

Drawing from her own experience, Michelle recalls that there were some important traditions in her family. When it snowed, her family always made doughnuts and invited their closest neighbor to share in the eating.

"When we had to stay home because of snow we made doughnuts and it gave us all a big boost. It took all day, and



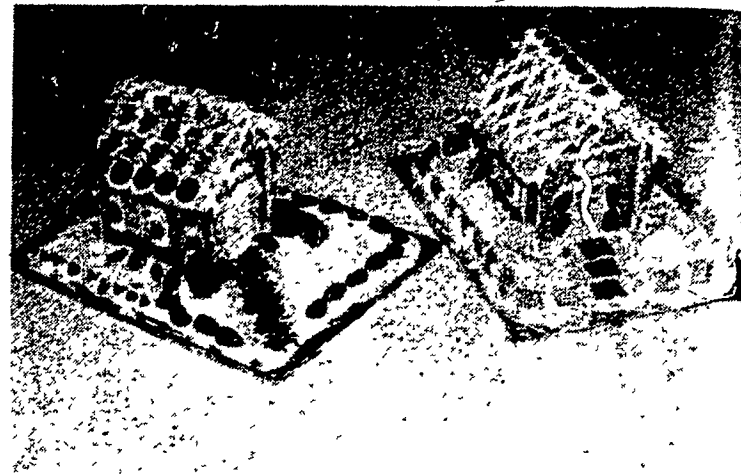
This simple bird feeder can be made by cutting openings in the sides of a gallon milk container. Commercial or homemade bird feed is placed in the bottom as a sure treat for winter friends.



The roof piece is made from three quarters of a graham cracker, with the fourth quarter being used to make the peak in the house. A



serrated knife is necessary to cut the cracker into a triangle for that purpose.



These graham cracker houses can bring your child hours of happy entertainment as they plan their decorations. Easy to assemble, children of all ages will find this activity a neat one to chase the post holiday blues.

Homestead Notes

everybody loved it," she remembers.

Michelle is a firm believer in sharing kitchen time with children, observing that the kitchen offers a multitude of learning opportunities. While the fancy Christmas baking may be over, a fresh cookie is always appreciated and time may be less hectic in the week following Christmas. "Cooking is a life skill and children can learn a lot of basic knowledge in the kitchen," Michelle states.

While admitting that a little patience is required, Michelle stresses the importance of letting children try things by themselves, and when they make suggestions allow them to experiment. She says children should be included in the clean-up so they learn to take that responsibility.

An important aid in getting children through the post holiday blues is spending time with them. Michelle says, "Plan to spend more time with your children and enjoy beauty and the specialties of the season that nature brings to us." With school children home it is a perfect time for togetherness on projects which can be educational as well as fun.

A temperature study can be fun and informative. Michelle says a large and accurate thermometer which measures indoor and outdoor temperatures will offer children the opportunity to keep a record of temperatures over a period of time.

A small carton of juice could be placed outside to freeze and children could be allowed to taste it after re-melting it.

A bird feeder is not only a good family project but also helpful to our feathered friends. Children can get joy from stringing cereals and cranberries on shoelaces and placing them at a spot where they can be observed from a window. The popcorn on the Christmas tree can also be used to feed the birds.

A simple bird feeder can be constructed from a gallon milk jug and attached to a tree branch.

Children can mix bird seed with peanut butter and put it in margarine tubs or spread it on pine cones. One caution however - never feed birds just peanut butter or their beaks will stick together.

Snow brings its own pleasures, of course, but remember that children can make snowmen and angels in the snow when the fun of sledding fades.

An easily-made treat is to create snowcones by packing clean crushed ice in paper cups with an ice cream scoop and pouring fruit

flavored gelatin, powder or syrup over the ice.

And what child doesn't enjoy homemade ice cream? Invite in some friends and use your favorite recipe or the one at the end of this article which does not require a freezer. It will be soft ice cream; for firmer texture freeze mixture. This is guaranteed to cheer anyone's spirits!

Another fun activity for children of all ages is making small graham cracker houses. This is something they can decorate entirely on their own, spending many hours on it. It's perfect for anyone who feels they could not undertake a gingerbread house.

It takes four complete graham crackers to make one house, but remember that there is bound to be some breakage. Two are broken in half for the sides, and two are used for the roof, cutting off one quarter of the roof cracker. The quarter piece is then cut with a serrated knife to form a triangle and this is the peak of the house.

A cardboard base covered with foil will allow a nice yard on which additional decorations can be placed.

Assemble the house using royal icing. Begin with the four walls, then add the peaks at either end and put the roof pieces on last. Spread icing on exposed side edges and triangles to hold the crackers together. There will be a slight overhang on the roof. It's best to wait a short time before adding the candy decorations.

Remember that a large investment in candy is not necessary. Look around your kitchen and use cereals, nuts, baking chips, mints and other edibles you already have.

Children will become totally absorbed in decorating their house, and will be thrilled when it is completed.

The royal icing is used to assemble the house and to add the decorations. It may be made from scratch or from purchased meringue powder.

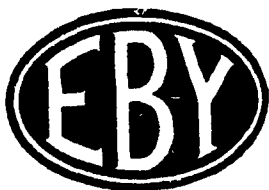
The recipe follows:

2 egg whites
1/8 teaspoon cream of tartar
2 teaspoons water

2 1/2-3 cups sifted powdered sugar

Beat eggs white, cream of tartar and water until frothy; gradually add powdered sugar. Beat until mixture holds soft peaks. Plain white icing is used to put together the house, and some may be tinted for added trim. This is also used to "glue" on the decorative candies.

(Turn to Page B4)



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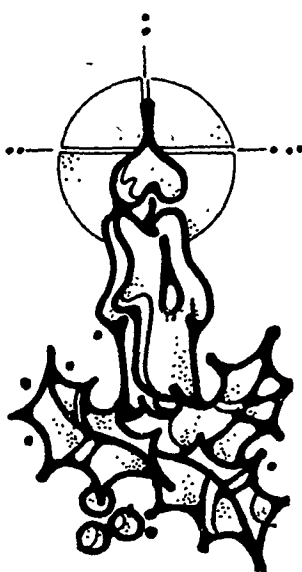
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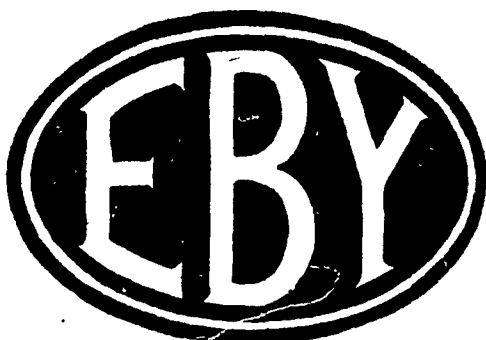
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Buescher to address Foundation's annual meeting

LANCASTER — Walt Buescher, will be the principal speaker at the annual meeting of the Farm and Home Foundation on January 28 at 6:30 p.m. at the Farm and Home

Center, Lancaster.

A native of Indiana, Buescher is retired from more than a three-decade career in the farm equipment industry. His subject

will be The American Dream, a "three cheers for America" presentation combining humor with a serious message. His visit is sponsored by Sperry New Holland. In 1974, Buescher was named Marketing Man-of-the Year by the

National Agri-Marketing Association.

For the past quarter of a century, he has been in demand as a public speaker throughout the United States and Canada. Few speakers outside of the political

world have addressed more farm audiences over that period.

He and his wife live at Pigeon Forge in the Smokey mountains of Tennessee, located between Knoxville and Gatlinburg. They have four children.



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(Continued from Page B2)

Ice Cream

2 pans that fit inside each other, or 2 metal bowls that nest inside each other
metal spoon
crushed ice—4 quarts
rock salt
3 eggs
2 cups brown sugar
1 teaspoon salt
2 15-ounce cans evaporated milk
2 teaspoons vanilla

Ice cream may also be made by using a large pan of ice, sprinkled with coarse salt.

Beat eggs. Beat in sugar and salt. Stir in milk and vanilla. Put a small amount at a time of this mixture into the second pan. Place the second pan on top of the ice. Stir as the ice cream mixture freezes.

Festive Frosty Flurries

1. Combine 2 cups lowfat yogurt with 4 cups of pineapple juice. Blend $\frac{1}{2}$ cup shredded coconut. Top with a slice of orange.

2. Blend 2 bananas with $\frac{1}{2}$ cup grape juice, 3 cups lowfat milk, 1 cup ice cubes. Sprinkle shredded coconut on top.

3. Combine equal amounts of apple juice and lowfat milk, sprinkle with cinnamon.

4. Blend one part orange juice, 2 parts cantaloupe, juice of one lemon, 2 cups crushed ice. Garnish with mint leaves.

5. Blend 3 cups of pineapple juice, 2 cubed large carrots and 1 cup ice cubes.

We hope these activities will offer an interesting change of pace for that sometimes dreaded week after Christmas.

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Christmas Season and throughout
the New Year!



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Ida's Notebook

Ida Risser



Ten days ago was cookie-making day at the Risser's and I put 18 boxes of ten different kinds in the freezer.

One thing that urged me on was the fact that I wanted to mail a box to my daughter's family in Seattle. We had just purchased a 40 pound block of cheddar cheese from our

milk company and I also wrapped 60 pounds of bologna last week, so packages of these items were included. In addition there were jars of jelly, pickles, relish, maple syrup and dried vegetables.

Previously, I'd sent a toy cloth book which I made for our grandson. It included buttons and but-

tonholes, zippers, buckles and different colored patches to identify. Embroidery on the book took a while as I did not plan it properly. The hand sewing should have been done before I stitched the double pages shut with bias binding. And after all that, my daughter says that what David really liked was the "kitty" appliqued on the back page.

This year I also made a fancy pin cushion as a gift. There is a certain satisfaction in giving something that you created yourself.

Each year I try to use a different Christmas arrangement for the table. Often it includes bright red apples with evergreens and candles. This year I added shiny, dried white honesty which I grew, and I liked the appearance.

The weekend after Christmas will be a busy one for us as we plan to have my relatives come here on

Lancaster Farming, Thursday, December 24, 1981-85

Saturday for a meal and have my husband's relatives come for a Sunday dinner. But having my girls home to help will be pleasant. The boys help by carrying chairs from the attic and putting extra

boards in the big tables.

It takes time to catch up with the family news and there will probably be lots of picture-taking as a new granddaughter has just arrived.

Del. Ag has toll-free number

DOVER, Del. — The Delaware Department of Agriculture announces it now has a toll-free number, 1-800-282-8685.

Agriculture Secretary Donald J.

Lynch says the toll-free number will enable the Department to better serve the citizens within the State of Delaware.

Kent County residents should still continue to call 736-4811.

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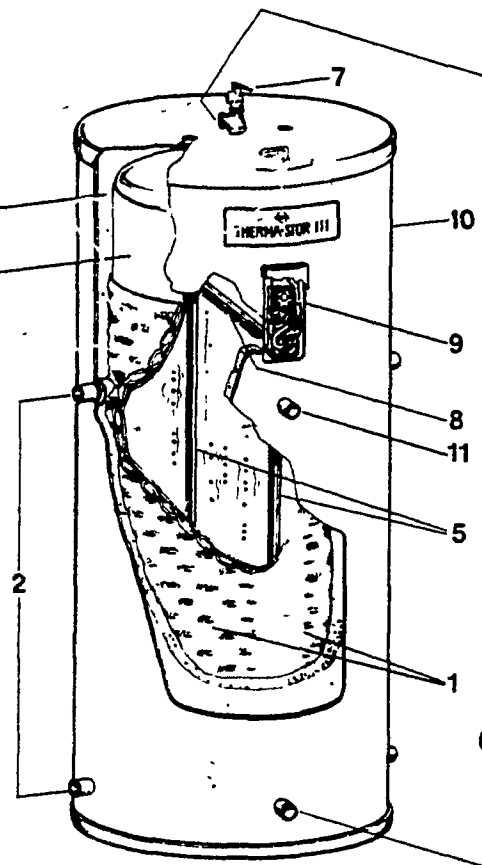
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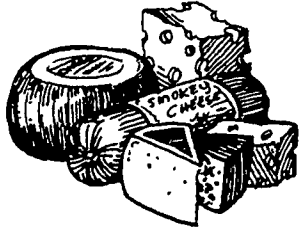
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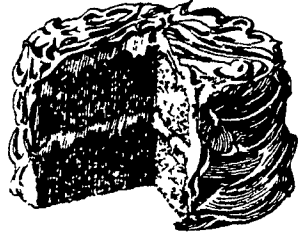
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Home On The Range



Beverages brighten the holidays

At no time of the year are people more generous, warm and sharing than during the holiday season. It's a time when the welcome mat is always out and festive foods are in abundance.

Being prepared with just the right food and, especially, drink for holiday festivities could become a full-time job unless you have lots of recipes ready to try.

Well, now you do. Pick one out you think your family and friends would enjoy and serve them a treat for the holidays. Good luck and Merry Christmas.

GOLDEN FRUIT PUNCH

12 oz. frozen concentrated fruit beverage
2 cans (12 oz. each) apricot nectar
3/4 c. white rum, optional
1 can pineapple chunks in natural syrup

In punch bowl, combine all ingredients except pineapple. Mix well. Chill. Add fruit just before serving. If rum is omitted, one quart of club soda can be added to mixture just before serving.

YOUR AD TONIC

2/3 c. lemon flavored iced tea mix
3 T. chopped fresh mint
1 c. water
2 bottles tonic water, chilled
2 limes, quartered

In pitcher, combine lemon flavored iced tea mix, mint and water; chill. Just before serving, add tonic water. Strain into tall ice-filled glasses; add lime and garnish, if desired, with additional mint. Makes about 8 servings.

RUM EGGNOG

1 qt. fresh or canned eggnog
12 oz. rum
1 c. heavy cream, whipped
nutmeg for topping

Into a punch bowl, pour 1 quart fresh or canned eggnog. Add rum. Stir. Whip 1 cup heavy cream. Fold gently into rum mixture. Chill. Top each serving with nutmeg.

DIET DRINK

1/2 c. skim milk
2/3 c. Fresca
3 ice cubes
fruit or flavoring

Put all in blender and mix. You may use fresh or canned fruit. Fresh peaches, bananas or oranges are especially good.

Mrs. Charles Biehl, Mertztown

CRANBERRY EGGNOG

6 eggs
3/4 c. sugar
1 pint heavy cream
2 pints cranberry juice
ground cloves

Chill all liquids. Separate eggs. Beat yolks until frothy.

Add 1/2 cup sugar and beat until smooth. Beat white into peaks. Add remaining sugar and beat until smooth and shiny.

Fold yolk into white until all patches of white disappear.

Pour in cream, then cranberry juice and stir thoroughly.

Serve cold with little clover over top.

Mrs. Charles Biehl, Mertztown

PINK LADY PUNCH

2 cups cranberry juice cocktail
1 1/2 c. sugar
2 c. pineapple juice
2 qt. chilled ginger ale

Pour cranberry juice over sugar. Stir and add pineapple juice, ginger ale and ice.

WINE WASSAIL

1 qt. apple juice
1 qt. orange juice
2/3 c. sugar
2/3 c. slivered blanched almonds
2/3 c. raisins
2 sticks cinnamon
24 whole cloves
2 qt. Burgandy

Combine apple juice with next 4 ingredients. Tie cinnamon sticks and cloves in a cheesecloth bag.

Add to apple juice mixture. Boil 5 minutes.

Remove bag and add Burgandy. Do not boil. Serve hot.

TROPICAL PUNCH

4 c. sugar
6 c. water
1 large can- frozen concentrate lemonade
1 large can pineapple juice
1 can frozen con. orange juice
5 bananas, blended

Combine and freeze this concentrate (4 quarts). Thaw to a mush. Add 3 quarts water and one quart ale.

Mrs. Wes Stauffer, Ephrata

FROSTED RAINBOW DRINK

1 can (16 oz.) pineapple juice
1 can grapefruit juice
1 can apricot juice
3 pkg. blackberry gelatin

Dissolve gelatin in 3 cups boiling water. Add 3 cups cold water.

Add one can orange concentrate, 1 can lemon concentrate.

Add water as directed on cans. Mix well. Add 3 quarts of 7-up just before serving.

Mrs. William Livingston, Dover

PUNCH

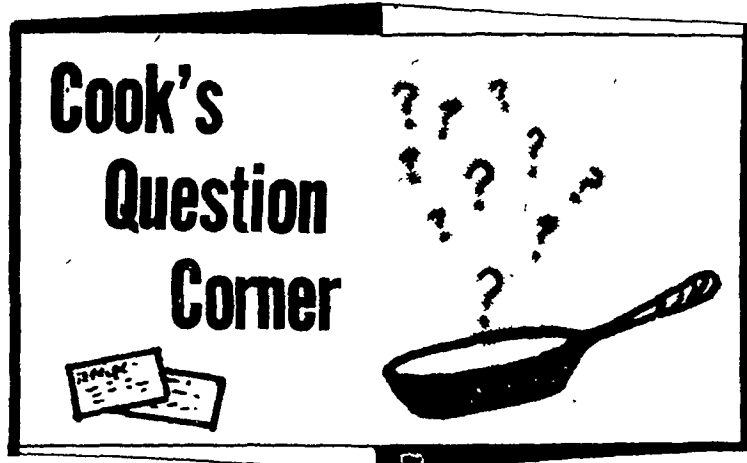
4 c. water
1 48 oz. can pineapple juice
1 48 oz. orange juice
1 qt. lime sherbert
4 c. sugar

1 qt. bottle gingerale

Water and juice can be mixed a couple of days ahead of time. Then add gingerale. Put sherbert in balls or blend into punch.

Lois Kline, Newmanstown

(Turn to Page B8)



ANSWER — N. Fisher of Lancaster recently requested cheesecake recipes. Thank yous go to Mrs. Allan Martin, R. Boyd of Alburtis and Priscilla Grube. Both recipes can be found at the end of the Home on the Range section.

WANTED — Your questions and answers! Send them to: Cook's Question Corner, Lancaster Farming, Box 366, Lititz, PA 17543.

Recipe Topics

December

26 Beverages for the holidays

January

-2 Making vegetables exciting

9 Easy chicken dinners

16 Make it with beef

23 Keep warm with soup

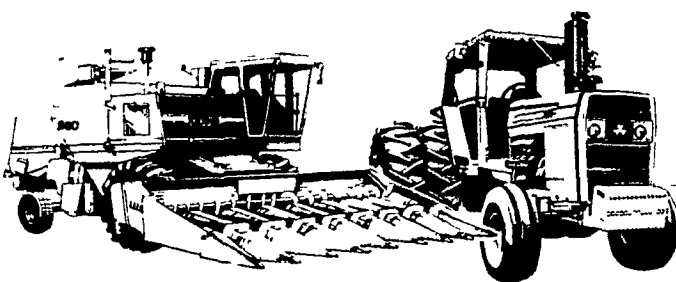
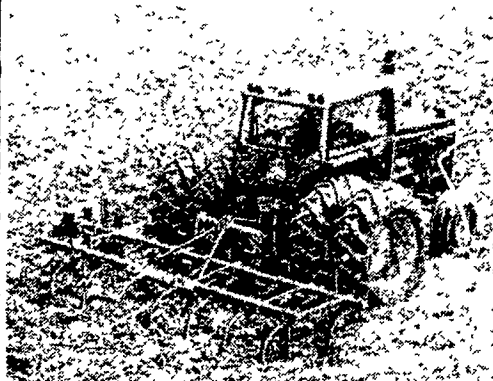


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Beverages

(Continued from Page B6)

TEA BREW

4 c. water
6 tea bags
1/4 c. sugar
1 c. cranberry juice cocktail
1 c. pineapple juice

In large saucepan, bring water to a boil. Add tea bags. Cover and brew 5 minutes. Remove tea bags; stir in sugar and juices. Heat through. Serve in cups or mugs and garnish, if desired with clove-studded pineapple chunks.

Following are two recipes for cheesecake as requested in Cook's Question Corner:

CHEESE CAKE

Crust:
1 pk. graham cracker crumbs
1/4 c. sugar
3 T. butter

Mix and press in 9-inch pie plate and bake at 375 degrees for 5 minutes. Cool.
1 c. milk
1 c. sugar
2 beaten egg yolks
1 1/2 pkg. unflavored gelatin
1 t. vanilla

Cook these together for about 3 minutes. Cool till partially set.

Beat one 8-oz. cream cheese and mix 1 pkg. whipped topping. Add these to first mixture. Beat and pour in pie plate. Top with thickened cherries or blueberries.

Mrs. Allan Martin, Womelsdorf

COMPANY CHEESECAKE

3 well-beaten eggs
28-oz. pkg. softened cream cheese
1 c. sugar
1/4 t. salt
2 t. vanilla
1/2 t. almond extract
3 cups dairy sour cream
1 recipe graham-nut crust

Combine eggs, sugar salt and extracts. Beat till smooth. Blend in sour cream. Pour into crust.

Trim with reserved crumbs and nuts. Bake in moderate oven (375 degrees) for 35 minutes or until just set. Cool. Chill well about 4-5 hours.

Graham-Nut Crust - Combine 1 3/4 c. fine graham-cracker crumbs, 1/4 c. finely chopped walnuts, 1/2 t. cinnamon, and 1/2 c. melted butter.

Reserve three tablespoons mixture. Press remainder on bottom and 2 1/2 inches up on sides of 9-inch spring-form pan.

R. Boyd, Alburtis

BY DEBBIE KOONTZ

LANCASTER — The cows are finally milked, the stock all fed. It's Sunday morning and time to rush to church. No time to eat. But when church is over, you know you'll have a hungry family to feed.

That's the time most people take part in what is fast becoming a part of Americana - the Sunday brunch.

The English may be famous for their lavish breakfasts and their afternoon tea, but we have Sunday brunch and now, after Christmas, mounds of leftover turkey.

Maybe it's the varied selection - which runs the gamut from scrambled eggs to hot beef sandwiches - which makes brunch such a popular meal. Or maybe it's the uniqueness of the time. Is it a late breakfast or is it an early lunch? It might even be the sense of personal accomplishment a dieter feels at the end of the day when he/she sits back and prides in the fact that only two meals were consumed that day.

Whatever your reasons for serving your family brunch on Sunday, you will no doubt find turkey recipes a crutch in disguise this first Sunday after everyone's favorite holiday.

So here some dishes you might enjoy trying:

TURKEY SOUP

2 qt. turkey broth
1 c. potatoes, cubed
1 c. carrots, sliced
1 c. celery, sliced
2 c. turkey meat, cut
1/4 c. chopped onion
110-oz. pkg. frozen lime beans
1 t. salt
1 c. uncooked noodles

Add vegetables to turkey broth along with salt and noodles and simmer 15 minutes. Add turkey, heat through and serve.

PARMESAN TURKEY

6 slices pumpernickel bread
12 slices cooked turkey breast
2 tomatoes, sliced
1/2 green pepper, diced
1 c. mayonnaise
1/2 c. grated Parmesan cheese
1/4 t. onion salt
12-oz. can mushrooms, diced

Arrange on each slice of bread, 2 slices of turkey and 2 slices of tomato. Sprinkle about a tablespoon of diced green pepper on top. Combine mayonnaise, cheese and onion salt in a small bowl and stir in mushrooms. Spread generously over the top of the sandwiches. Broil till golden brown and bubbly and serve at once.

BARBECUED TURKEY LEGS

4 1/2 lbs. turkey drumsticks
1 c. flour
1 t. salt
1/4 t. pepper
1/2 t. chili powder
6 T. melted shortening
1 c. barbecue sauce

Rinse turkey drumsticks, drain and pat dry. Dredge with flour mixed with salt, pepper and chili powder. Brown in melted shortening in large skillet. Arrange in single layer in greased baking pan. Pour barbecue sauce over drumsticks. Bake at 350 degrees for 1 1/2 to 2 hours or until tender, basting frequently with sauce during last half hour of cooking. Serve with fluffy hot rice.



(This is not a misprint)

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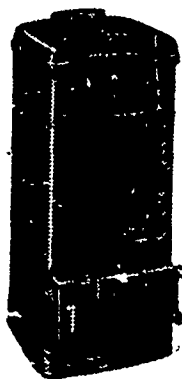
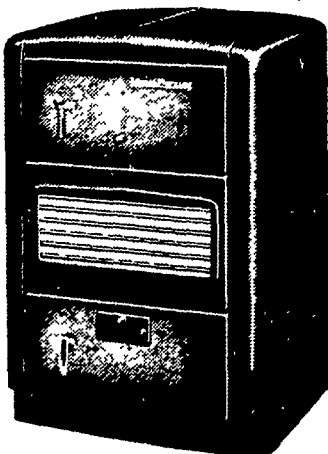
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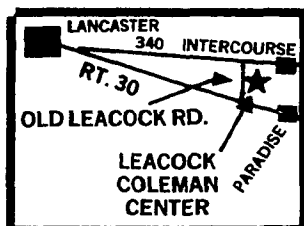


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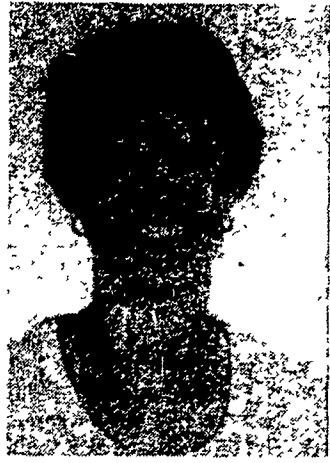
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On being a farm wife - And other hazards

Joyce Bupp

True Christmas isn't stacks of cards,
Or twinkling lights, or candy canes,
Nor tinsel draped around a tree
Nor bells, nor bows, nor wee toy trains.

It's not a stack of pretty gifts,
Nor shining bells, nor mistletoe
Nor even glowing candlelight
Or Santa's jolly "Ho, Ho, Ho!"

While all these things have purpose, true,
To help us celebrate this season,
The real worth of Christmas Day
Is found in much a different reason.

For Christmas is our gift from God,
His love sent down to men on earth
To royal kings and common folk,
In form of lowly stable birth.

And Christmas is a time of peace
An inner glow that first must start
With love that roots and blossoms forth
From deep within each human heart

So may this Spirit fill your life
With hope and peace and joy and love
And may we strive to be like Him
This Babe sent down from Heaven above.

To you and yours, a very blessed and peaceful Christmas!

PSU horse judges win world championship

LANCASTER — Penn State's Horse Judging Team won first place in the World Championship Collegiate Quarter Horse Judging Contest held recently at Oklahoma City, Ok.

The Penn State team earned a total of 2737 points out of a possible 3000.

Coach Thomas Merritt, professor of animal science, said of his team, "They were superb. Individual scores were remarkably consistent. Only a nine point spread separated the five team members."

Contestants were scored on judging of ten classes of horses in two divisions—halter and performance. Points were also earned for the excellence of the oral reasons presented for ranking the horses.

The competition was open to teams around the world, but the 21 teams participating this year were all from U.S. schools. All PSU team members placed in the top 10 in one or more divisions.

Cynthia L. Franklin of Murrsville came in third in the performance division and eighth on overall score. Sally L. Rhea, Waterford, placed fifth in halter and sixth overall. Paulette E. Stoudt, Mohnton, took seventh place in performance. Marc D. Wagman, Narberth, was third in oral reasons; and Mark H. Wilde, Allison Park, came in ninth in performance.

The team as a whole took third place in halter, fourth in oral reasons, first in performance, as well as placing number one overall. Prizes were trophies and a \$1000 scholarship awarded to the Department of Animal Science.

The competition tests the student's ability to evaluate horses by observing many physical

features such as muscling and length and carriage of neck; and also in terms of movement or "way of going."

After observing the horses in the ring, contestants are given a limited time to prepare oral

reasons for their placing of the four horses in each class. Knowledge of horses, speed, and accuracy in decision-making—as well as logic and organization in presentation—are winning skills required for this competition.

New game makes farming fun

LANCASTER — What do you do when your Simmental bull gets friendly with your neighbor's Hereford heifers? Pay \$5,000 damages and go on. Over-friendly bulls are just part of farming, and a humorous part of a new game called A.G.G.I.E.

A.G.G.I.E., which stands for Agricultural Game of Gambling, Ingenuity and Enjoyment, lets you try your hand at farming without risking your bank account. It was invented by a young Iowa couple, Chuck and Joanne Kuster.

"If you're smart and lucky, you may be able to wheel and deal yourself a farming empire," says Chuck. "On the other hand, your hypothetical crop could be hailed out or invaded by insects. Or your livestock might catch pneumonia. Worse yet, you may have to almost sell out to pay your bills. Players will be amazed just how unpredictable—and unprofitable—farming can sometimes be."

A.G.G.I.E. reflects real farming as much as possible because it was designed as an educational tool which is enjoyable, he adds.

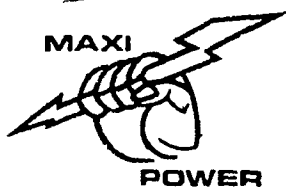
"To play the fast-paced game, competing farmers use die rolls to

move through the four seasons of the year," explains Joanne. "Farmers strategically buy and sell land, livestock and grain to build their net worth as they stave off real farming hazards, learn farming terms, bid against neighbors and play the futures market. Disaster and option cards add extra elements of strategy and suspense."

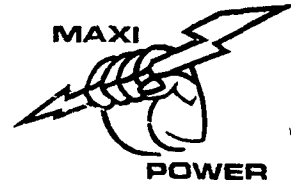
A.G.G.I.E. has auction barns and futures markets, droughts and grain embargoes, feed bills and lawsuits. But there's also insurance against the typical farm disasters. The farmer who manages his risks best usually wins.

The Kusters use clever writing and personal knowledge of farming to keep the game fun and action-packed.

A.G.G.I.E. includes farm animal markers, play money, property deeds, dice and a full-color, tear-resistant playing surface. To get your A.G.G.I.E. game, send check or money order for \$12 (includes postage, tax and handling) to Kuster Ltd., 704 W. Iowa, Indianola, Iowa 50125. It is not sold in retail stores.



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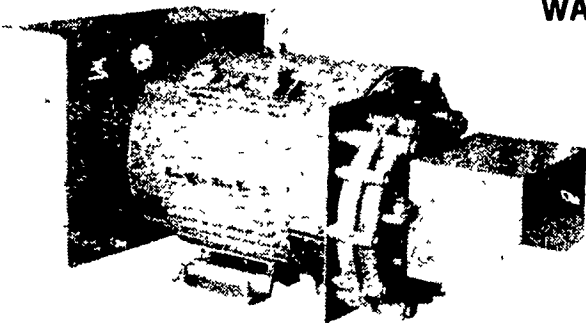
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Farm Women Societies

Lancaster Co. Society 5

Lancaster Society 5 met at the home of Esther Graybill, recently. Twenty-three members attended.

Elaine Baum presented a

demonstration on decorating for the holidays.

Also, the group held their annual Christmas party at the home of Jean Zurin on December 19.

Lancaster Co. Society 6

Lancaster Society 6 met recently in the Fellowship Hall of the Church of the Brethren.

The program for the evening was music by Jean Wagner and her five

children. Following this the group sang Christmas carols.

The next meeting will be in the home of Mary Spangler. Members will make silk flowers.

Lancaster Co. Society 7

Lancaster Society 7 met recently for a Christmas party at the home of Mrs. Henry Ebersole, Paradise.

Following carols, Alice Weaver

presented a Christmas reading.

The next meeting will be held at the home of Miriam Keneagy, Paradise.

Lancaster Co. Society 21

Lancaster Farm Women Society 21 met recently for their annual Christmas party at the home of Leon and Martha Kreider.

Entertainment was provided by Voice Inc., and Bob and Millie

Groff.

Members also had a handmade Christmas gifts exchange.

The next meeting is scheduled for January 14 at the home of Esther Black.

Berks Co. Society 12

Berks Society 12 celebrated their third anniversary recently during a family Christmas party at the home of Glenna Hix, Mohrsville.

Ten members and their families

attended the party.

The next meeting will be held January 18 at the Bernville home of Mabel Strunk.

Lebanon Co.

Society 14

Lebanon Farm Women 14 met recently for a family Christmas party at the United Methodist Church in Campbelltown.

Deb Harnish, ventriloquist, and Santa Claus provided entertainment.

Lebanon Co.

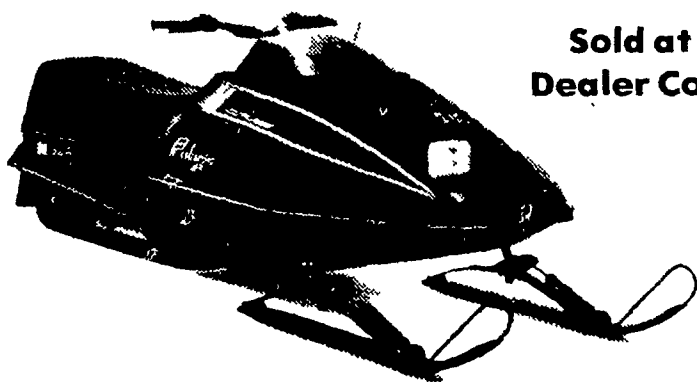
Society 20

Lebanon Farm Women 20 met recently for their Christmas party at the home of Vickie Tomazin.

Vera Fahnestock will be the delegate for the state convention at Harrisburg in January. The next meeting will be held at Sandy Grubb's home on January 11.

(Turn to Page B11)

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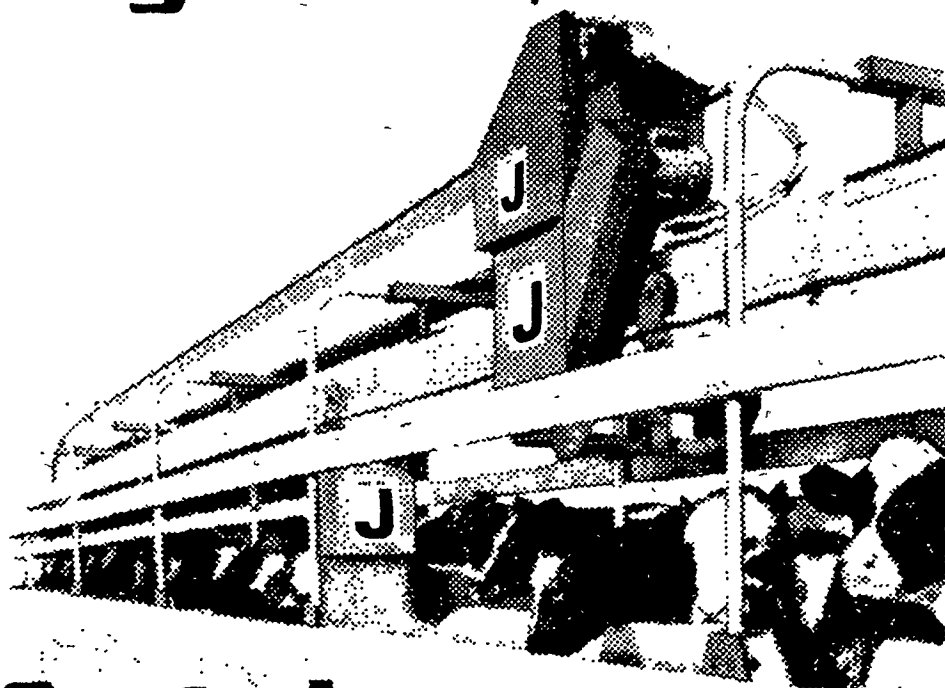


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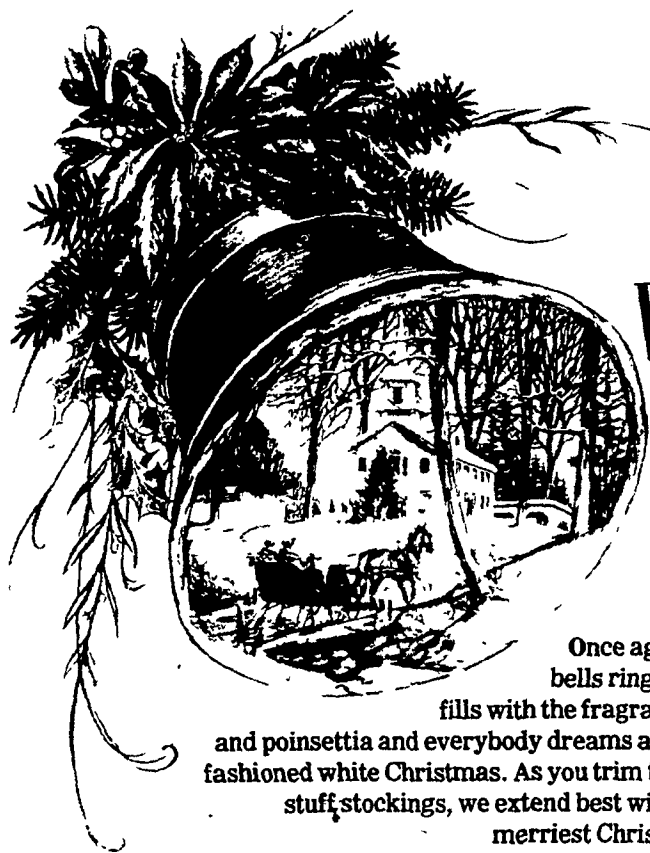
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Ladies Have You Heard?

By Doris Thomas
Lancaster Extension
Home Economist

Keep Control of Holiday Eating. Christmas and "visions of sugarplums" are synonymous to most of us. Nearly all Christmas festivities — even the traditional caroling — involve food.

Think about it. Hot cocoa with marshmallows, fruit cake, marzipan candy, gingerbread men, eggnog, mince and pumpkin pie, turkey with all the trimmings.

The result may be not only an expanded waistline, but frayed nerves and overtiredness. That's because it's easy to get so filled up on the treats that we have no appetite for the foods that contain the nutrients we need regularly.

Don't spoil your holiday by ignoring your basic nutritional needs. Even if you are not watching your weight, be sure to include foods from the fruit/vegetable group; bread/cereal group; milk/cheese group; and meat/poultry/fish/beans group in your daily diet before you start in on the goodies.

The "groaning board" approach isn't necessary to a successful meal or party. Too many choices actually detract from one another. Concentrate on a balanced meal that you and everyone else can enjoy.

And consider the calorie conscious in your planning.

For appetizers, you might serve fresh vegetables with a lowfat yogurt dip. Yogurt has almost twice the protein and calcium, one-twelfth the amount of fat and one-fourth the calories (145 per cup) of sour cream (495 per cup).

Another nutritious, calorie-wise choice is crackers or apple slices and cheese. Make a cheese ball using Bleu cheese, lowfat cheddar, neufchatel, and plain yogurt rolled in chopped nuts.

If your main course is ham, count a three-ounce serving as 320 calories; three ounces of white turkey meat has only 150 calories; dark meat 175 calories. Add 75 calories for every three tablespoons cranberry sauce, and 180 calories for every three tablespoons of gravy. The old favorite, bread stuffing contains about 150 calories per cup.

A baked sweet potato will also have 150 calories while a candied yam supplied 175 calories for every two-inch piece.

For dessert you'll save 90 calories and get plenty of vitamin A if you choose pumpkin pie (275 calories for each piece of a 7" pie cut into sixths) instead of mince.

Farm Show schedule available

HARRISBURG — A wide variety of events are on the calendar to make the 1982 Pennsylvania State Farm Show, January 10-15, an exciting, entertaining and educational experience for all.

"Activities for the six-day show in Harrisburg have been conveniently listed in detail and are available to the public," according to Horace Mann, director of the Pennsylvania State Farm Show. "Included are the livestock show schedules, meetings to be held at the Farm Show Complex and the Harrisburg area, and evening activities during show week."

More than 30 meetings are scheduled, along with 60 shows and sales of beef cattle, sheep, swine and horses — both day and evening.

Evening features at the Farm Show include Monday evening,

the Tammy Wynette Concert (reserved tickets), presentation of the Farm Show Family, Senior Farmer and Pennsylvania Agribusiness Awards. Also slated as evening attractions are the Future Farmers of American Band Concert and Folk Dance Festival (Tuesday); the crowd pleasing horse pulling competition and Sheep to Shawl Contest (Wednesday); Pony Pulling Competition and Cumberland County 4-H Horse & Pony Demonstration (Thursday).

The 66th Pennsylvania Farm Show schedule of events can be obtained by sending a postcard to: Farm Show Schedule, P.O. Box 3365, Harrisburg, PA 17105.

The Pennsylvania Farm Show is sponsored by the Pennsylvania State Farm Show Commission.



(Continued from Page B10)

Cumberland Co. Society 5

Cumberland County Society 5 met at the home of Donna Duncan in Carlisle recently.

Maye Wertz presented the evening's program by showing her Hummel figurine collection. She also gave a biography of Berta Hummel and a description of the factory in Rodendale in Germany.

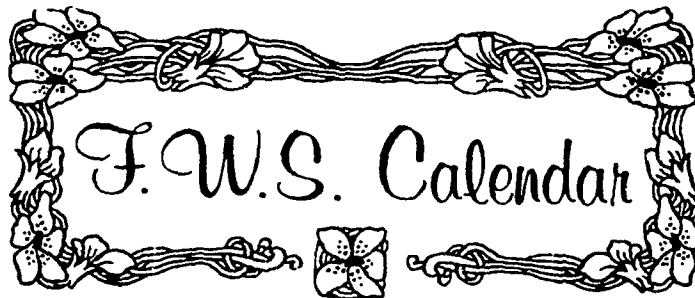
Plans for the January meeting include making bibs for the Cumberland County Nursing Home. The meeting will be at the home of Mary Kelso.

Fulton Grange 66

Fulton Grange 66 held their Christmas meeting on December 14 at Oakryn.

The program for the evening included group singing. Also, members brought ornaments which were of special value to each and placed them on the Grange tree.

No meeting is scheduled for December 28.



Wednesday, December 30
Lancaster Society 4 meets at the home of Lois Will for a covered dish luncheon

Thursday, December 31
Lancaster Society 11 meets for a gift exchange and a Christmas party

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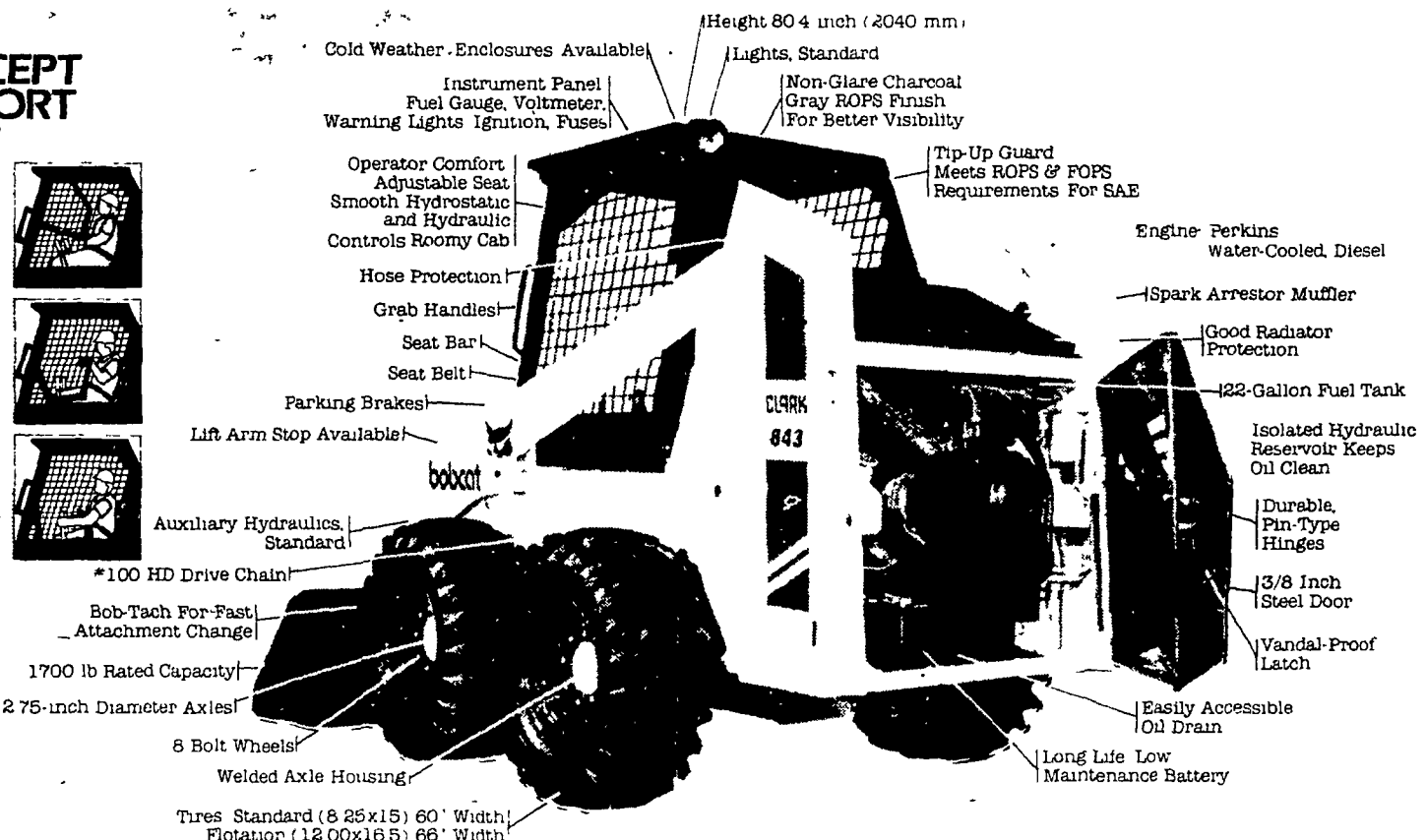


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Horse clubs recognize members, Christmas



LANCASTER — Lancaster County 4-H horse clubs celebrated Christmas cheer already this year with a recognition banquet at the Farm and Home Center in early December.

Members, leaders and families from nine clubs gathered for the event; the clubs being: Boots and Saddle, Production, Broken Bit, Rough Riders, Saddle Cinches, Sequoia Riders, Silver Spurs, Silver Shoes, and Pegasus.

Master of Ceremonies for the

evening was Richard Harclerode. Presenting programs for the participants were Donna Lucidi, 4-H agent, and Kendy Allen, leader of Saddle Cinches who presented a slide presentation.

Awards for being named state winners went to Nikki Brewer, Daphne Immel, Brook Sweigart, Ken Sherlaw, Kris Buck, Alida Farrington, and Valerie High.

Special recognition went to members of the horse judging team: Kris Buck, Gretchen Döner,

Wendy Greist and Valerie High; and the horse bowl team: Tracey Fackler, Lowell Mummau, Janine Shank, and Esther Wittel.

Recognized for outstanding leadership were: Dan and Rose Fellenbaum, Jim and Mary Jo Hickey, Ray Hamilton and Jim and Joyce Watts of the Boots and Saddle Club; Merrill and Jean Spahn of the Production Club; Pete and Jean Immel; Robert Gregory, and Jeff and Natalie Kline of the

(Turn to Page B14)



Among the winners at the Lancaster County 4-H horse club banquet were: Nikki Brewer, Ken Sherlaw, Kris Buck, Alida Farrington,

Daphne Immel and Valerie High - all state winners.

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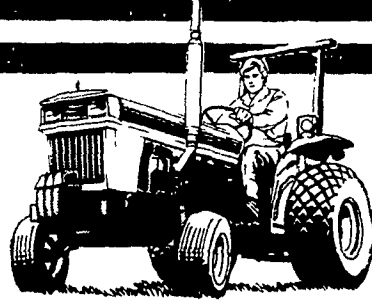
CHRISTMAS IS THE TIME FOR JOLLY OLD SANTA CLAUS TO SHOW HIS FACE AGAIN. THE NORTH POLE, SANTA'S HOME, IS THE BUSIEST PLACE JUST BEFORE CHRISTMAS. BROWNIES ARE BUSY MAKING ALL KINDS OF BAKING GOODIES AND TOYS FOR ALL THE BOYS AND GIRLS. SANTA LOADS HIS SLEIGH, CHECKS HIS ROUTE, AND TAKES OFF WITH HIS REINDEER TO DELIVER ALL HIS PRESENTS.

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Horse clubs

(Continued from Page B12)

Broken Bit Club; Mary Ann Rohrer and Carol Melasecca of the Rough Riders; Kendace Allen, Donna Bean, Mary Keener and Julie Shreiner of the Saddle Cinches Club; Melvin and Jane Ressler and Lyn Fitzpatrick of the Sequoia Riders; Jane Baker, John Glick and Randy Glick of the Silver Spurs Club; Carol Henkel and Mary Ann Ferro of the Silver Shoes Club; and Steven and Barb Satosky, Sherry McCarthy, Lena Slesser, Mary Seward, Ileen Florschutz and Margaret Wood of the Pegasus Club.

Special awards presented to club members by their leaders were distributed also. They were:

—Boots and Saddles: Valerie High, Gail Graver Esther Wittle and Bud Spahn, outstanding teen leaders; Esther Wittle, high sponsorship; Chris Miller, most improved first year member; Valerie, Kris Buck, Mike Charles, and Missie Charles, best demonstrations; Karen Waltman, Heather Steele and Krista Knox, trail ride award; Mrs. Jean Spahn, outstanding parent; Heather Howry, sportsmanship; Jessie Watts and Gail Graver, best project book.

—Production Club: Brook Sweigart and Nadine Brown, most improved first year members; Bud Spahn and Curt Huber, best demonstration; Butch McKinsey, outstanding parent; Valerie High and Pam McKinsey, sportsmanship; Brook Sweigart and Daphne Immel, best project book.

—Broken Bit Club: Alida Farrington, three years perfect

attendance and outstanding teen leader; Alida and Alison Farrington, high sponsors; Alison Farrington, most improved first year member; Brook Sweigart, Daphne Immel and Alida Farrington, best demonstration; Donna Long, outstanding trail rider and sportsmanship; Brook Sweigart and Daphne Immel, best project books.

—Rough Riders Club — Elizabeth Rohrer, Carla and Mary Ann Melasecca, three year perfect attendance; Mary Melasecca, Bonnie Witmer, and Gretchen Doner, outstanding teen leader; Tammy Drumm and Jason Kauffman, most improved first year member; Gretchen Doner, outstanding member in final year; Pat and Lloyd Kauffman, outstanding parent; Elizabeth Rohrer and Mary Ann Melasecca, best project books.

—Saddle Cinches Club: Roger Brennenman, high sponsorship; Thomas Creighton, most improved first year member; Lisa Guthrie, Angie Heisey, Vickie Creighton and Andrew Allen, best demonstration; Mrs. Sandy Creighton, outstanding parent; Yvonne Peters, sportsmanship; Alison Heisey and Julie Adams, best project book.

—Sequoia Riders Club: Diane Barron, most improved first year member; Valerie Schroll, outstanding member in final year; trail ride award, Michelle Ressler; outstanding parent, Lynn Fitzpatrick.

—Silver Spurs Club: Tracy Stauffer, high sponsorship; Elise Greven, most improved first year

CHRIS CLOVER



Beef club holds Christmas party

CARLISLE — The Cumberland County 4-H Baby Beef Club held its Christmas party December 7, at the Southmiddleton Fire Company.

For entertainment, Christmas carols were sung and 11 members and one leader displayed their talents; John Wardle, Carlisle, talked about his recent trip to Chicago; Ron Kimmel, Shiremanstown, played the trumpet; Cindy Otto, Carlisle, talked about blue and white forms; Kim Hopple, Mechanicsburg, played Saxophone; Allyson Sheaffer, Carlisle, played violin;

member; Mary Ewing and Joyce Frank, best demonstrations; Silvers family, outstanding family; Tammy Long, sportsmanship.

—Silver Shoes - Therapeutic Club: Donna Fisher, Kathy Sherr, and Susan Curtis, most improved first year members; Dr. and Mrs. Howard Robbins, outstanding parents; Lynn Collis, outstanding aide.

Brenda Wert, Carlisle, talked about flowers; Nancy Line, Carlisle, played flute and Bob Line, Carlisle, played trumpet in a duet; Andy Rill, Newburg, gave an exciting talk on motivation; Denise Baker, Walnut Bottom,

played the piano; Keith Baker, Walnut Bottom, played the piano; and Ron Baker, Beef Leader, Walnut Bottom, played piano with Keith Baker who played trombone and Denise Baker who played saxophone in a trio.

Nippenose Club presents - holiday program

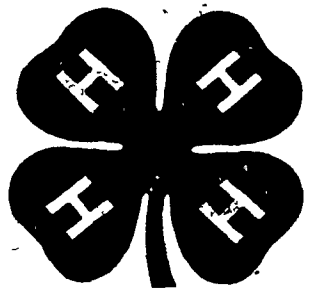
JERSEY SHORE — Proving that the Christmas spirit isn't just for the older generation, the Nippenose Valley Community 4-H Club presented a Christmas program for the residents of the Leader Nursing Home, here, on December 5.

The program consisted of three poems, some Christmas songs, one holiday story and the story of the birth of Jesus.

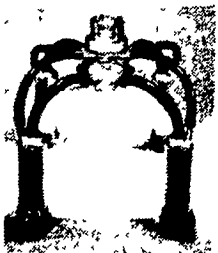
Members participating were Annie, Carolyn, Kathy, and Nancy Lehman; Christine and Cheryl Otterbein; Peggy Jo and Mary Hamm; Madeline and Marci

Huling; Susan Stoetzel and Jennifer Dinchler.

Following the program ornaments made by the 4-H members were distributed to the audience.



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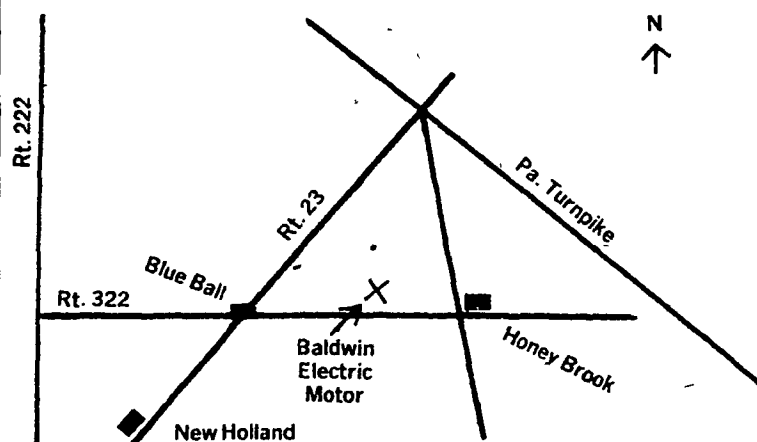
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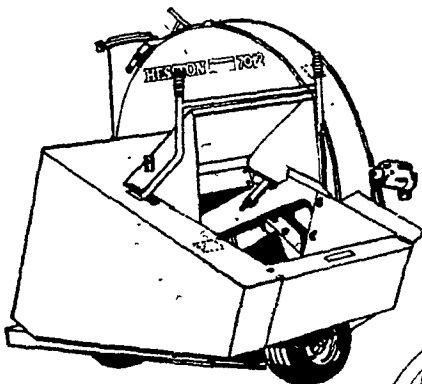
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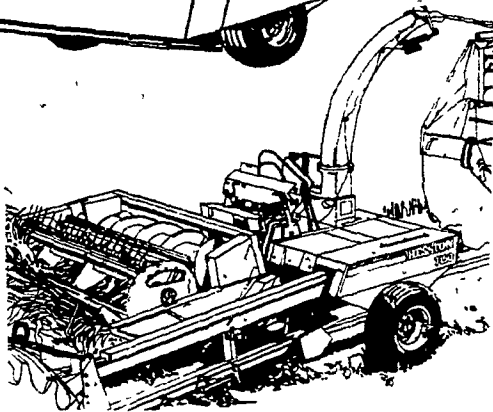
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Boots and Saddles Club shares Christmas spirit



Here is a friend! Santa receives a cordial welcome from the children at Christ Home for Children.



Gifts are terrific, but hardly anything beats refreshments at a party. Here the children dig into the cake and cookies provided by the Boots and Saddles 4-H club.



Valerie High renews her acquaintance with Connie, a very outgoing youngster who seemed to remember many 4-H'ers from the previous year.

BY SALLY BAIR
Staff Correspondent

PARADISE — The spirit of Christmas is giving and loving, and there was an outpouring of both when the Boots and Saddles 4-H Club visited the Christ Home for Children in Paradise last week.

It is the fourth year that the 4-H Club has provided some Christmas cheer for the 22 children who live there, but this was by far the biggest year in terms of quantity. Members, parents and leaders arrived in a caravan, which included one van filled with 4-H'ers and one van filled with donations plus assorted pick-up trucks and cars, all carrying part of the total Christmas gift for the Home.

There was plenty of used clothing and toys and many boxes of canned goods for the kitchen. There were even a sofa and a new loveseat among the items delivered. In fact, the bags and boxes filled a huge living room. The children watched in awe as the 4-H members and parents carried armful after armful into the Home.

But more exciting for the children were the special gifts for each one of them. A surprise treat was the appearance of Santa Claus, in the person of Mike Cooper, a Sperry New Holland employee, who distributed the gifts. The children were clearly impressed, and quickly encircled Santa, stroking his beard and hugging his wide girth. When he sat down he was surrounded by all the children, each one of whom wanted to be as close as possible.

The 4-H'ers had made an all-out effort to collect donations, including gifts of money which was used to provide an individual gift for each child, including such things as batons, dolls and trucks.

Each child also received a personalized bag which contained a new hairbrush and comb, a new toothbrush and toothpaste and other goodies. There was a small crocheted stocking which contained lifesavers. Both these items were prepared by Ruby Mentzer, a friend of the club. Santa's wife had made a larger stocking for each child containing an apple, an orange and a candy cane.

Club members had also purchased numerous "house gifts" with the money they received. The children were thrilled with the opening of camera equipment, electric popcorn popper, electronic games and hair dryers.

The smiles of appreciation from the children made one know that all the effort of the 4-H'ers had been worthwhile. There were shouts of "Look what I got," and "How can I ever thank you?" and

(Turn to Page B18)



This van was filled, from top to bottom, with donated items for the Christ Home for Children in Paradise. Eager 4-H'ers reach out to help deliver the goods into the Home itself to the waiting young residents, who range in age from 9 months to 13 years.



Shane and friend talk over this business of Christmas gifts, apparently to the satisfaction of each.



They squeezed as close as they could, to be near that jolly old soul who brought them many surprises.



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Longwood Gardens offers Christmas treats

KENNETT SQUARES — Festive "Trees from Storybook Land" are now on display through January 2 at Longwood Gardens, Kennett Square, PA. Six garden clubs from three states have decorated diminutive trees on themes chosen from classic children's literature.

The Gardeners Garden Club of Radnor, PA, was presented the "Best in Show" award for their tree, "The Wind in the Willows."

The public can view the trees, along with many other holiday attractions including outdoor lighted trees, daily through January 2, 10 a.m. until 9 p.m.

The "Trees from Storybook Land" are arranged around Longwood's fern-filled Exhibition Hall adjoining the main conservatory. Greeting visitors is "The Wizard of Oz" tree decorated by the Penn Cumberland Garden Club of New Cumberland, PA.

Fans will find all their favorite characters, including the Tin Man, Scarecrow, and Lion as well as witches and munchkins. Winding through the tree is the Yellow Brick Road made of dried goldenrod. Along the way, the adventures of Dorothy and her friends are depicted including their encounter with mice (cornhusks) and red poppies (silk). At the top sits the Emerald City crowned with a multi-colored rainbow. The "ruby" slippers of the movie version are here shown in their original silver color.

One of the best known tales by the Brothers Grimm is "Hansel and Gretel." Kennett Square's Seedlings Garden Club has decorated this tree with gingerbread men and frosted gumdrops. Also featured are the birds that picked up the crumbs along the forest path; miniature fruit baskets; and the treasure chests found in the witch's house. Underneath the tree sits a gingerbread abode and three German dolls representing the witch, Hansel, and Gretel.

Fifty-one rag dolls fill the tree entered by the Pottstown (PA) Garden Club. Each was hand-made from cotton, various calico materials and yarn hair.

The Middletown-Odessa Garden Club from Townsend, Del., has chosen the literary classic "Bambi" for its tree. Nearly 200 natural ornaments fill the tree with the creatures of the forest.

The amusing adventures of one of the best known rabbits provide the inspiration for the Moorestown Garden Club. Hand-made ornaments create memorable moments from the story: the cat peering into the fish pond, the mouse holding a pea, the window through which Peter jumps, and Peter in bed taking tea.

Toad, Rat, Mole, and Badger are all portrayed on the tree presented by the Gardeners Garden Club from Radnor, PA. The characters, created from pine cones, teasel, poppy pods, and chestnut hills, are dressed with colorful hand-made garments. Each main character is also portrayed on a hand-painted, blown egg. A broad blue river ribbon threads up and around the tree carrying milkweed pod boats.

Longwood's 16-foot non-competition Christmas tree stands in the center of the Music Room and portrays Hans Christian Andersen's "The Snow Queen". This regent was a powerful sorceress made of feathery ice, with eyes like stars and gowned in

millions of snowflakes. Hundreds of crystal ornaments, white fabric-covered balls, glassy globes, and faceted prisms drape the slowly revolving Douglas fir in frosty grandeur.

Other attractions during the holiday season include 2,300 poinsettias surrounding emerald-green lawns, holiday decorations for the home, fragrant spring bulbs forced for Christmas, Christmas Tree Lane outdoors, and 65 programs of holiday music.

Longwood is located on U.S. route 1, three miles northeast of Kennett Square, 30 miles southwest of Philadelphia, and 72 miles northeast of Baltimore.

Admission is \$3 for adults, \$1 for children 6-14, and free for children under 6.



Christmas spirit

(Continued from Page B16)

"Look, I got a slinky."

While the new toys received their proper due, the children were equally impressed by some of the used toys and played with them with great enthusiasm.

According to Jean Spahn, the mother of a Boots and Saddles 4-H Club member, the idea originated four years ago as a community service project. Christ Home was selected because it relies strictly on donations for its operation.

She said the first year each 4-H'er donated a can of food. The next year they expanded it to include used clothing and food, and the third year they collected money to purchase an air hockey game for the Home.

All in all, it has been a satisfying relationship on both sides. About 15 of the club's 48 members were along to help with the Christmas

party, and many of them renewed acquaintances among the children whom they had learned to know the previous year. It was heartwarming to see them chat easily with the children.

Not even a party with Santa can be a success without refreshments, and the 4-H'ers had provided for that too. There was beautifully decorated Christmas cakes, cookies, pretzels and drinks for the children.

Jean explained that the Club has become more involved every year, and the conclusion of this year's party, there was a discussion of keeping in touch with the children throughout the year by remembering them with birthday cards.

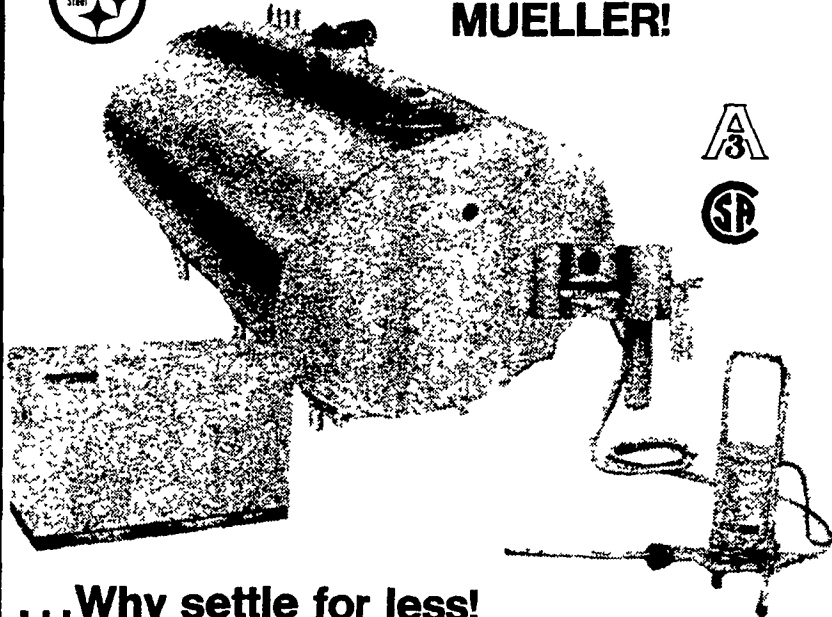
Thanks to the Boots and Saddles 4-H Club, Christmas for those 22 youngsters will last throughout the year - for both the giver and the recipients.

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What is this season? A time for family gatherings. A time for fond remembrance, happy anticipation. A time for reflection, rededication. A time for reaching out to others. A time for joy. A time for kindness. A time for love. A time for peace. Best wishes for this holiday season.

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PDA task force to assess ag water resources

HARRISBURG — A special task force coordinated by the Pennsylvania Department of Agriculture has begun work to identify the agricultural water uses and resources in the Commonwealth.

State Agriculture Secretary Penrose Hallowell instituted the task force, which is composed of

representatives from the state's farm organizations, conservation districts, Chamber of Commerce, food processors, water well contractors and the Departments of Agriculture and Environmental Resources.

"Agriculture, from farm to food processor, is the leading user of our national water resources," he

said. "This also makes agriculture particularly vulnerable to the unpredictability of this resource. Water is a fundamental — an essential resource for agriculture. Total water supplies will not increase. If we are to be effective in meeting future needs, we must first come to a better understanding of current usage and

the sources of water used in agriculture."

He said, "The Water Resources Task Force will work to catalogue the use and availability of water for our farms and agribusinesses, reviewing information that we already have, and assessing the need for further information. I expect a report from the Task

Force during the first six months of 1982."

Hallowell said the evaluation of water needs in agriculture would be used to provide input in any deliberations on state actions dealing with water use, including a proposed water management resources code.

"Pennsylvania agriculture has an enviable record in land, soil and water conservation efforts, and Pennsylvania farmers pride themselves on their responsibility as custodians of these natural resources," he said. "Hopefully, the work of this task force will give us the information we need to adequately help develop and conserve water resources in the future."

Hallowell said that identification of water uses and available resources was a first step for the task force. He noted that long range problems which could be addressed include an assessment of the potential for individual development and conservation of water resources to avoid the problems faced by farmers and agribusinesses during the 1980 drought. Recommendations for research needed in water resources planning might also come from the task force, according to Hallowell.

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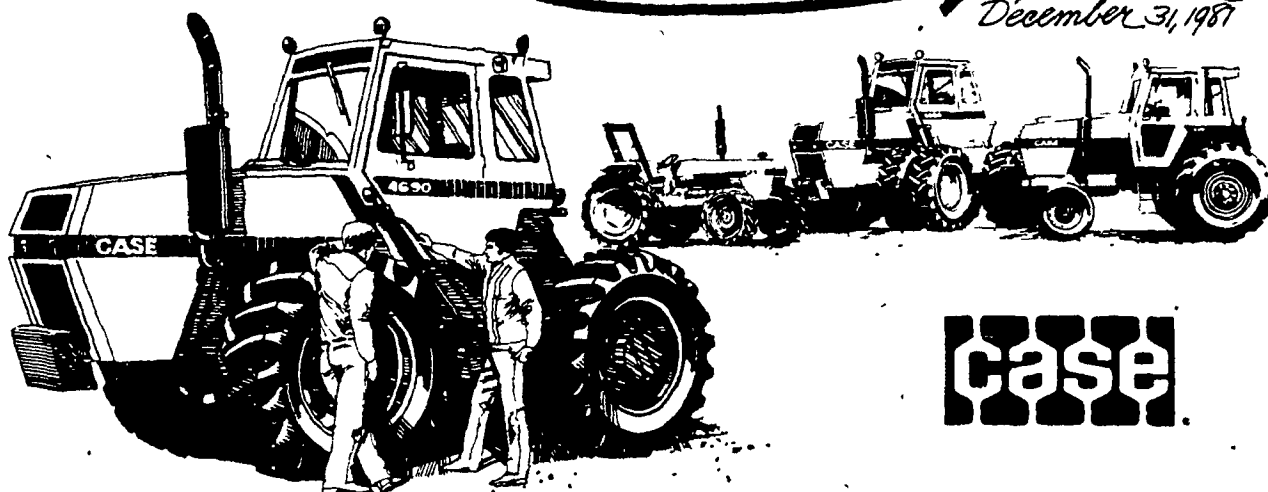
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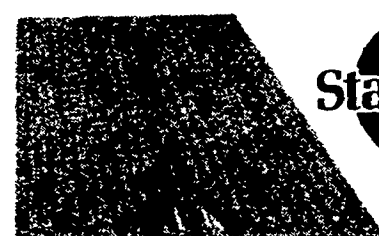
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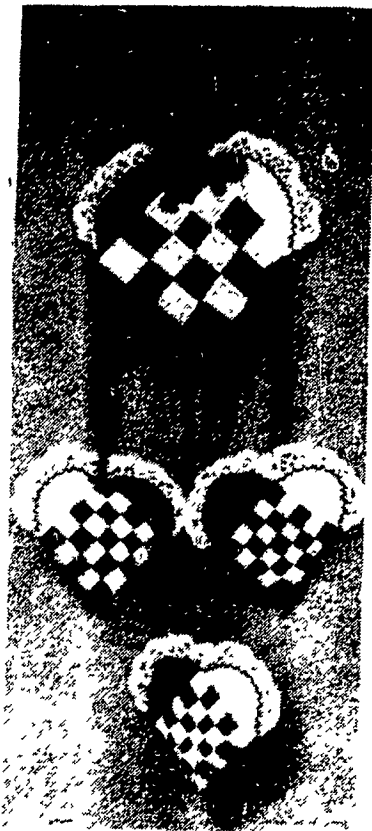
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Cumberland Co. holds Pudding craft day



A string of hearts - a beautiful red and white decoration - will bring love and goodwill to any home that has one.

(Editor's note - The Cumberland County Extension Service recently held a Christmas Pudding craft day, and Lancaster Farming was lucky enough to have a little mouse at the event which supplied us with the following rendition of the day.)

BY BETH HEMMINGER

Staff Correspondent

'Twas the morning of Christmas Pudding craft day,
And all through the Cumberland County Extension Office everything was in array,

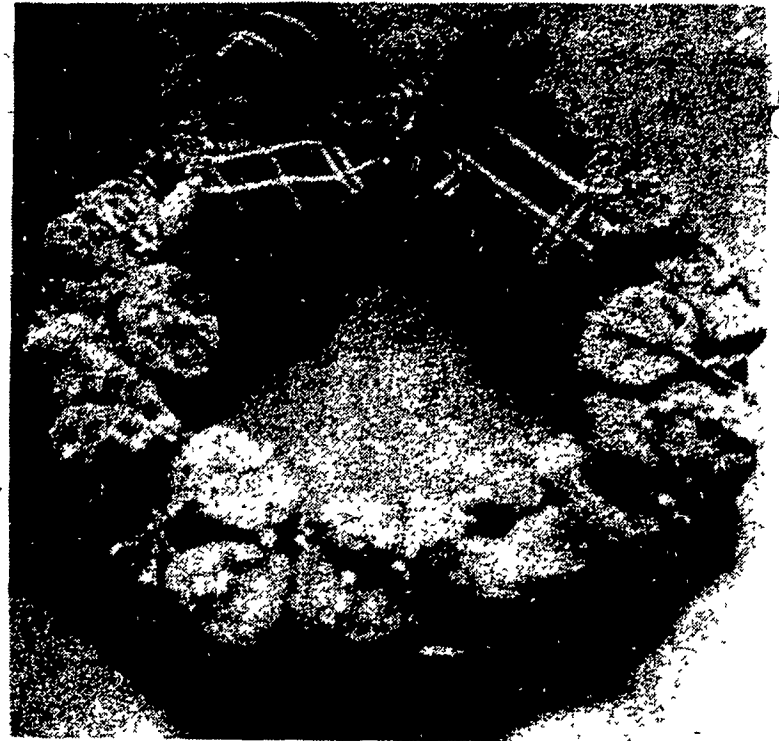
Marg Malhorn scurried and hurried just like a mouse
Gathering, cleaning and sweeping as if being chased by the cat of the house.

Finally, the goodies were baked and beautifully displayed,
But Marg still had visions of things left in a state of dismay.

She gathered and swept, till her mind was put to rest,
Then she settled down for a moments rest.

She was up in a minute to set up the crafts—wreaths, trees, reindeer and horses.
Now she was ready to teach her Christmas courses.

(Turn to Page B22)



Every animal needs a Christmas treat and Marg made a dog food wreath for her dog.



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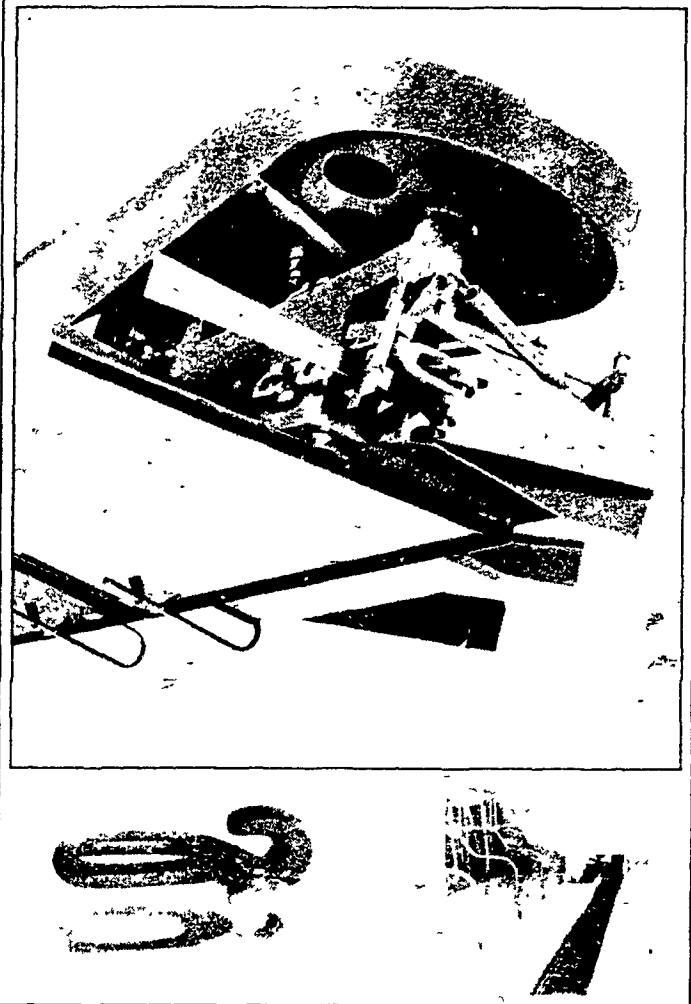


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Cumberland holds craft day

(Continued from Page B20)

The group arrived quickly with forty-three in all. They filled the room from wall to wall.

The home economist demonstrated each craft from start to finish. The ladies like Santa's elves, followed the instructions and were very specific.

They made calico trees, ruffled wreaths, heart baskets, teapot cosies, Christmas potholders, cross-stitched ornaments, napkin rings and clothespin reindeer with big red noses.

The day was not yet complete, Marg slid out the kitchen door with goodies that were deliciously sweet.

She baked a fancy German pastry called, Garmisch Nut Stollen. Then handed out the recipe and "follow the directions exactly" she told them.

You must mix, let rise, punch down and do it one more time, Then roll in a rectangle, fill with nuts and sugar and twist in a long line.

Next in store was a taste of Spice Cake, One lady said, "It is so delicious and I bet it is easy to make."

The procession of treats continued for several hours, The group sampled everything from fruitcakes to snickerdoodles and even cookies that looked like poinsettia flowers.

Christmas Pudding Day finally came to a close, Now everyone had visions of crafts dancing in rows.

But one Lady questioned, "Why Christmas Pudding for the name of a craft day?" Marg explained gleefully, Christmas Pudding is a mixture of different ingredients and so was today."

The forty-three Cumberland County elves left cheerfully, merry and bright, And Marg exclaimed, "Have a Merry Christmas and a very good night."



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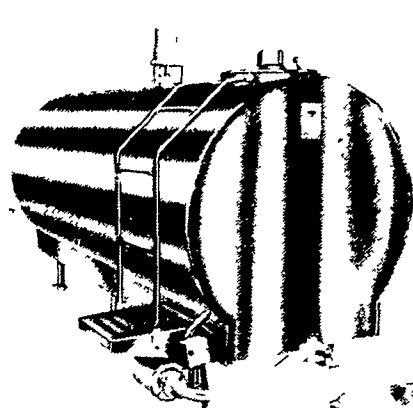
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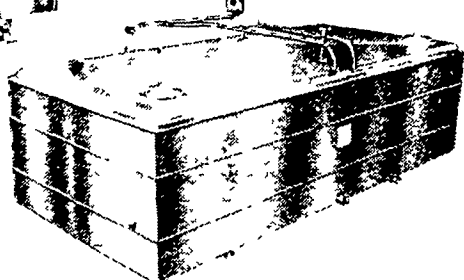


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Table-top farming has its advantages

By Russel Weidman

(Editor's Note - Russel Weidman is a Berks County native who was employed as a farm equipment mechanic for 21 years.)

The Christmas Season is upon us, and I find myself reminiscing my childhood.

I grew up in a small town of Bernville in Berks County and lived next to the farm equipment dealer. I could hardly wait for the week before Christmas. This would be the week when the John Deere toys were displayed in the farm store window.

After a long, wishful look, I continued my walk to school, swinging my first grade lunch box (still in my possession today). I was thinking that some day my dad would buy me farm toys. My dad was employed at the dealership and the odds were in my favor.

Christmas morning that year found Russel Weidman a very happy boy. My dad bought me a 1938 Model A toy tractor. I still have this tractor in my collection and it's as good as new.

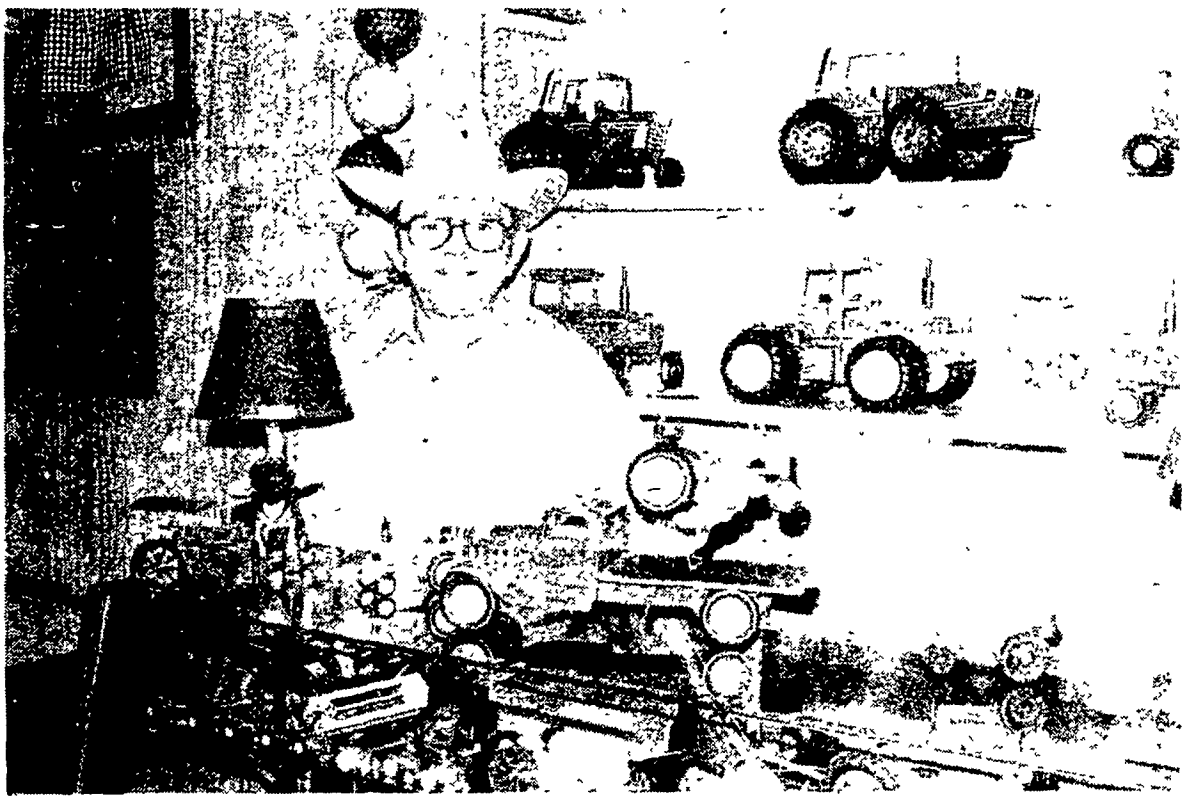
I guess a person never stops wanting. The next item on my list was a flat-bed truck. You see, I had to haul my tractor from the farm to the repair shop, there my dad could make the necessary repairs.

The old dump truck in my toy box, (not so old at that time) would be the answer. The body was the correct width, but too short in length. The 'mechanics' in my mind told me that a cigar box with one end removed would solve my 'serious' problem.

In the year 1948, working part time, I began to earn some money. This gave me the opportunity to start my toy collection. I collected scale-model toys from all of the major farm equipment companies. I remember a trip to the Harrisburg Farm Show one year — returning home with two shopping bags full of toys.

At that age I was beyond the playing stage and began collecting for a hobby. My brother Leslie and I would unpack all the toys three or four times a year. Each toy was admired and examined before repacking it in its original box. During the Christmas season, mother's dining room became the display room.

During the 1960s I thought, "It is time for a grown man to forget about toys." I purchased few toys in that time period. But in the late 1970s I got the fever once again. Although the excitement was still the same with each new toy, the big difference was the increase in prices.



Berks County's Russel Weidman, Bernville, holds his first toy tractor, a 1938 Model A that was a Christmas gift from his father. His next piece added to the farm toy collection was his

flat-bed truck, shown here with later models of tractors that make up his present 160-piece collection.

In the years 1948 through 1952, scale model toys sold for an average of less than two dollars each. Inflation hit the toy market. I was all too apparent that, at my age, the difference between a man and boy is the price of the toy.

Since the start of my collecting, six major tractor companies have discontinued building farm tractors. The toy companies, likewise, allow their inventories to become exhausted, knowing that the full-size tractor is no longer manufactured.

For all those farmers who scoff at farm toys there is an advantage to table-top farming. My plow, purchased in 1946, has its first set of plow shares and shows no indication of wear. Driving to the make-believe fields to harvest the grain, there is no need to check engine oil, water, or make adjustments. Sometimes the room becomes crowded with toys, especially at Christmas time, but there is no dust from disking or baling hay.

A disadvantage with table-top farming is, that there is no tax

deduction for depreciation. Not feeling pessimistic about my investment. I have since learned that my models have increased in value over the years.

Since I have a collection of newer tractors I have retired my 1938 Model A. Today that toy tractor has a permanent resting spot upon the old cigar box truck. These two toys bring back many happy childhood memories.

Looking over my collection of tractors, the old "Model A" may not be the nicest but the memories make it priceless.

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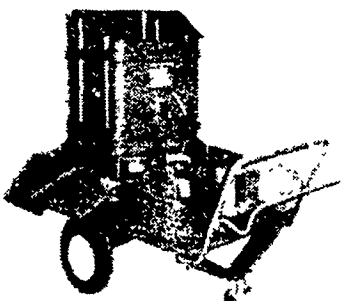
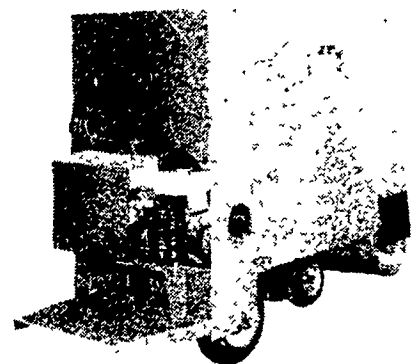
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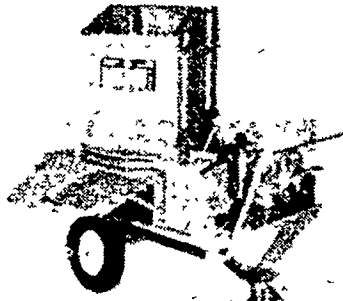
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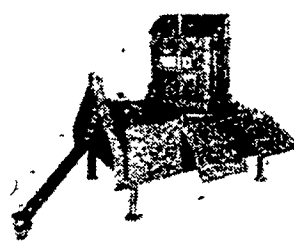
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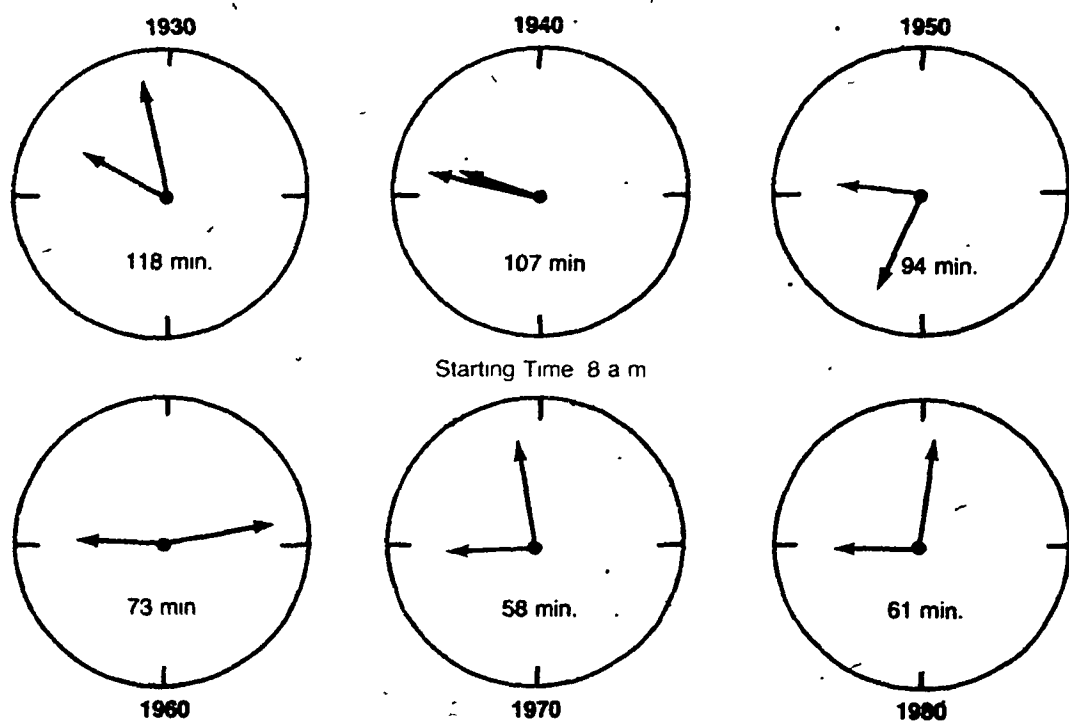


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The Average Wage Earner of 1930 Worked Nearly Twice as Long to Buy the Same Amount of Food¹



¹Based on average annual income and the cost for a comparable "basket" of foods representing average quantities purchased by urban wage earners in 1967 from 1 hour's work.

Measuring food costs

LANCASTER — The nickel beer, quarter-a-loaf bread, and dollar-a-pound steak may sound like reminders of the "good old days," but the fact is that food is a much better bargain today.

While retail food prices are more than four times higher than a half century ago, the average worker's paycheck is more than 11 times higher.

As a result, the typical wage-earner worked only 61 minutes in 1980 to buy the same basket of foods that required almost 2 hours work in 1929, says USDA economist Lloyd Teigen.

These figures don't mean that food is getting "cheaper" every year — even in terms of hours worked. That same food basket that took 61 minutes of work in 1980 required a minute less in 1967. The reason: grocery store prices rose 155 percent, while hourly wages rose only 151 percent.

But economists say that food price rises have been relatively modest compared with other prices in the economy. For example, food prices more than doubled during the 1970's, while fuel prices more than tripled,

based on the consumer price index (CPI).

A better way to measure the "real cost" of food to consumers, Teigen says, is to take into account the growth in after-tax income of each breadwinner (personal disposable income).

To do this, Teigen devised an index which compares food prices to disposable personal income per member of the labor force.

This translates the price of beefsteak into an index of work time, while comparisons based on the CPI can only express the price of beefsteak as so many units of other consumer goods.

Besides adjusting for inflation, Teigen's index separates the growth in family income from the trend in recent years of more family members going to work. In other words, this index prices food in terms of a proportion of working time required, or leisure given up.

Using the Index

By this yardstick, food costs fell more than 2.5 percent annually from 1947 to 1972, then shot up 11 percent from 1972 to 1974. Since then, the index has stayed on a plateau which has seen year-to-

year variations of less than 3 percent.

Using the CPI's standard market basket of food — a widely used measure of food price movement — let's examine Teigen's food price indexes for the items in that standard basket (see table).

The index fell from almost 180 points in 1940 to less than 95 points in the early 1970's, just before farm prices boomed. Last year, the index hit 101.2. In other words, food costs were far higher in 1940.

Peeking into the basket, some items are better bargains than others in real price terms.

From 1940 to 1980, food costs fell:

About 37.6 percent for all meats.
Around 79.5 percent for poultry.
55 percent for dairy products.
64.7 percent for margarine.
55.8 percent for processed fruits and vegetables.

For cereals and baked goods, about 48 percent.

For sugar, 34.2 percent.

What is the likelihood that food prices will stay at such relatively modest levels in future years? The answer depends greatly on the

(Turn to Page B26)

Today's Food Costs Compare Well With "Good Old Days"

	1940	1950	1960	1970	1980
	1967 = 100				
Total food	177.8	156.2	122.4	96.3	101.2
Cereals and bakery products	188.4	139.4	121.1	91.3	98.0
Margarine	281.3	209.6	123.2	88.9	99.3
Sugar and sweets	206.1	158.9	125.3	96.5	135.7
Nonalcoholic beverages	—	181.8	127.3	98.4	157.4
Fresh fruits and vegetables	147.0	146.3	122.8	95.1	100.4
Processed fruits and vegetables	218.2	156.8	139.9	91.1	96.4
Meats	158.6	168.3	121.3	98.6	98.9
Beef and veal	167.7	179.9	128.1	100.2	107.5
Pork	152.5	160.4	113.6	97.1	83.1
Poultry	370.2	297.3	148.7	90.9	75.9
Fish	132.3	153.2	118.2	98.9	131.3
Dairy products	201.0	152.2	122.9	93.7	90.4
Eggs	323.2	248.2	157.4	118.0	67.5

¹Consumer Price Index relative to after-tax income per member of the labor force.

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The SPERRY NEW HOLLAND Dealers in your area wish you a MERRY CHRISTMAS and a Happy New Year!



Food costs

(Continued from Page B24)

parts of the food chain that are between farmers and consumers.

"Where the assembly, processing, and distribution components of the food system are relatively competitive," Teigen says, "there is a strong likelihood that farm productivity gains will be translated into lower consumer prices."

That "middleman" segment was where much of the food price surge of the early 1970's occurred, Teigen says, after the economy was shaken by wage and price controls and the OPEC oil embargo.

As the CPI soared, personal disposable income gains slowed at the same time commodity prices rose, forcing the sharp jump in Teigen's food price index.

Rising energy costs and slowing labor productivity growth in many food processing and distribution industries boosted food prices after the products left the farm.

Productivity Holds Down Costs

The increases could have been much higher — historically, as well as in recent years — except for gains in productivity on the farm and — until the mid-1970's — in the food system.

In fact, Americans still spend a far smaller portion of personal income on food — 16 percent last year — than any other people. The proportion varies considerably worldwide 27.5 percent in Britain, 32.5 percent in India, 59.3 percent

in Sierra Leone (West Africa), and 45 percent in the USSR.

Technology has been the key, enabling farmers to keep up with production costs in most years by squeezing more and more output from their farms.

Substitution of machines and chemicals for labor is one way that technology has increased productivity. In 1944, the farm workforce totaled 10.2 million, compared with 3.8 million in 1979.

During that period, use of agricultural chemicals increased 36-fold — a 10-percent annual gain — and the use of tractors doubled while tractor horsepower increased more than 4 1/4 times.

Meanwhile, farmers were squeezing more production than ever from their fields. For instance, the average U.S. corn yield was 33 bushels per acre in 1944. The 1981 yield could be 107 bushels per acre, according to September estimates.

While yields increased dramatically, overall variable costs per unit of production also rose. For instance, it cost \$1.10 to produce a bushel of corn in 1974 — the first year of USDA's cost of production survey — compared with \$2.36 last year.

Help for Farmers

Although consumers benefit from such productivity gains, some savings stay on the farm.

"Increased productivity boosted

HARRISBURG — Pennsylvania Secretary of Agriculture Penrose Hallowell announced that 1982 dog licenses are now on sale and must be purchased before January 15.

Hallowell said, "A dog license is

an inexpensive way to protect your animal. It not only identifies you as the owner of a dog, but makes it easy for authorities to return it to you if the animal strays or becomes lost."

He noted that the fee for dog licenses has not changed since 1921. The fee for male and spayed female dogs is \$1.20, while the fee for an unaltered female is \$2.20.

Lancaster County Dog Law Enforcement Officer Eugene Grove said licenses may be purchased at the County Treasurer's Office in the Courthouse or at the following locations: Bard's Hardware, Leola; Bomberger's Store, Elm; Brimmer's Messenger Service, Lancaster; Paul Diehm, 24 South Broad Street, Lititz; Docktor's Pet Center, Park City; Eby's Store, Martindale; Norma Enck, Creamery Road, Denver; Ferguson Shopping Center, Quarryville;

Also, Harry Frankfort, 243 Willow Street, Adamstown; Fulton Food Center, Peach Bottom; Galen's, Ephrata; Glenbarry Kennel, Centerville Road, Lancaster; Groff's Hardware, New

Holland; John Gross, 625 West Main Street, Ephrata; John Herr's Village Market, Millersville; Hershey's Market, Christiana; Hess's Dog Grooming, East High Street, Elizabethtown; Robert Hess, Mastersonville; Lancaster County Humane League, Lancaster; D. Webster Lied, 19 North Main Street, Reamstown; Lititz Pet Shop, Lititz, McCracken's, Manheim;

Also, Glenn Mellott, Main Street, Willow Street; Motter Supply Company, Columbia; Musser's Store, Quarryville; Raymond Sell, 33 West Market Street, Marietta; Simpkins License Agency, Lititz; Sipling's Pet Shop, Mount Joy; Terre Hill Restaurant; George Weaver Insurance Co., New Holland; Arthur Yeager Agency, Ephrata; J.B. Zimmerman Hardware, Blue Ball and Strasburg; W.L. Zimmerman & Sons, Intercourse; and Elizabethtown Boro Building.

The Pa. Department of Agriculture's Bureau of Dog Law Enforcement is responsible for enforcement of Act 437, the Dog Law of 1965.

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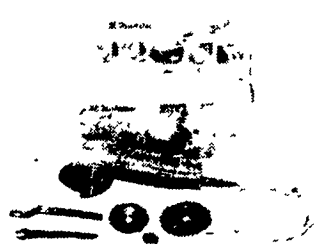
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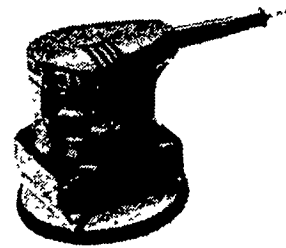


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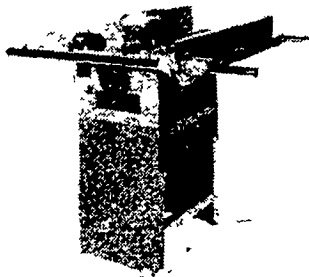
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Crawfish farmers tap growing gourmet market

LANCASTER — Crawfish suggest fishbait — not gourmet dining — to most Americans. But it's on the plate, not on the hook, where the small, lobster-like crustacean is earning a reputation as a promising cash crop for some southern farmers.

Also known as crayfish and crawdads, crawfish thrive in freshwater lakes and swamps across the country and around the world.

While already a delicacy in France and Scandinavia, crawfish are gaining popularity as a specialty food in the U.S. Louisianans have always savored crawfish bisque or stew, but now New York, Chicago, and Cleveland have become big markets for processed crawfish tails, according to Kenneth Roberts of the Louisiana Cooperative Extension Service.

The wild catch, which makes up about 50 to 70 percent of the total crop, is not enough to satisfy growing demand in the restaurant and food trade. Several hundred farmers in Louisiana and Texas raise crawfish in cultured ponds and rice fields, and the idea is spreading through Mississippi and South Carolina.

"Louisiana farmers harvested about 28 to 30 million pounds of crawfish last season, which ran from November 1980 to last June," says economist Michael Stellmacher of USDA's Economic Research Service. "This harvest earned them about \$25-\$29 million. Texas farmers produced an additional 3 to 4 million pounds, worth around \$5.5 million.

"There are about 60,000 pond

acres in production in Louisiana, and 4,000 to 5,000 in Texas. Both the acreage and amount of production are increasing. Ten years ago, there were less than 20,000 acres in both states combined."

Crawfish farming is part of a growing aquaculture industry fairly new to this country. About 5,000 U.S. farmers raise freshwater catfish, trout, and crawfish for commercial food use. Around 150,000 producers raise fish for recreational use — primarily to stock lakes and ponds for fishing. The farm value of all cultured fish is between \$225 and \$250 million a year, up from \$125 to \$150 million in 1977, according to Stellmacher.

"Aquaculture gives many farmers, both large and small, an alternative enterprise, enabling them to increase the income potential of their land, labor, and other resources," he says.

Raising crawfish is one way some farmers can stretch their resources. Crawfish are usually raised in ponds and are sometimes double-cropped with rice.

"Double cropping has some problems," says Louisiana's Roberts. "It requires a lot more management. Rice planting needs to be carefully coordinated with the crawfish harvest. Also, some rice land requires periodic leveling that can interrupt the crawfish cycle."

"A rotation system using crawfish, rice, and soybeans is in vogue right now," Roberts says. "Under this system, the farmer harvests crawfish every 3 crops."

Culturing crawfish in ponds is another alternative. Although not

every farmer with an idle pond on the back forty can produce crawfish, only a small acreage is needed, and farmers generally don't have to restock the pond after the first year.

Also, crawfish don't require special food. They can live on pond and pasture grass, rice, or brown-top millet.

But there are drawbacks. Crawfish need good-quality water, and a pumping system is necessary to keep the water circulating and well oxygenated. Unlike catfish, crawfish are less likely to seek out a source of good water. So, they can die off in poor water conditions.

In addition, harvesting requires a lot of labor. The wire traps used to catch crawfish must be checked every day. Some farmers with ponds pay fishermen to bring in the crop, but they may end up short of help if the wild harvest is at its peak.

Despite its shortfalls, crawfish culturing can offer producers a good return on their investment. Last season, processors paid farmers a record-high 80 to 85 cents a pound for their catch, up about a quarter from a year earlier. Texas producers received more, \$1.40 a pound, because they sold almost all their crop directly to restaurants and consumers.

Roberts estimates the cost to start a 100-acre pond system in Louisiana during 1980 was a little over \$26,000, excluding land. Each acre produces an average 600 pounds. So, at 85 cents a pound, farmers could have grossed \$51,000 in the first year. After expenses,

taxable net earnings might be around \$25,000, excluding the cost of hired labor for harvesting. Hired labor normally receives a 40-percent share of the profits. Harvest returns vary from year to year. "Prices were high in 1981 because of the drastically reduced wild catch from Louisiana's Atchafalaya Basin," Stellmacher says.

"The water level in the Mississippi River didn't rise enough last fall, and the crawfish stayed in their burrows. Prices will probably be down this season if water levels are more typical, and there's a larger wild crop. However, the market should still be strong."

There's no difference in quality or price between wild and cultured crawfish. In fact, wild stock is frequently used to stock the ponds. Prices depend on the type of market and time of harvest, and not where the fish came from. Crawfish sold to restaurants and directly to consumers generally bring higher prices than those sold to processors. Also, prices are generally highest before the wild harvest begins.

"The crawfish producers and the aquaculture industry as a whole are very optimistic right now," Stellmacher says. "But we'll have to wait and see how things turn out."

South Central PA.

goat breeders elect officers

GETTYSBURG — The South Central Pennsylvania Dairy Goat Association celebrated its annual Christmas Party together with the Adams County 4-H Dairy Goat Club Wednesday, December 12, at the Adams County Extension Service Offices.

Following a covered-dish supper, elections were held for 1982 officers of the SCPDGA. Dana Holder of Fairfield was elected President. Vaughn Solomon of Orrtanna was elected Vice-president. Vickie Mowery of Shippensburg was re-elected to a fourth term as Secretary. Fred Keller of Gettysburg was elected

Treasurer. Donna Forsman was named Publicity Director. Steve Valenzisi was chosen as Program Coordinator and re-elected to a second year as Ag Council Representative, with Vertis Bream and Vaughn Solomon being chosen as Alternates.

The Association meets at 7 p.m. on the third Wednesday of each month at the Adams County Extension Offices on Route 30, west of Gettysburg. The January 20th meeting will feature a talk on "Heredity and Selecting Traits" by Dr. Lee Majeskie. Everyone interested in dairy goats is invited to attend.



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Homes needed for wild horses and burros

LANCASTER — The Bureau of Land Management, an agency of the U.S. Department of the Interior, is looking for people who would like to give a wild horse or burro a good home.

Qualified applicants can adopt a wild horse and burro for less than it costs to buy one commercially. The horses can be trained to work, ride or to be pets.

These are no ordinary horses and burros. These are living symbols of the history and the pioneer spirit of America's West. Some are descendants of animals that escaped Indian attacks on wagon trains, cavalry attacks on Indians, or Indian-cavalry battles.

Others are descendants of stock released by the cavalry when U.S. Army outposts were closed, of animals abandoned or lost by early prospectors, and of horses and burros turned loose by farmers during the Dust Bowl conditions of the 1930s. Some are possibly descended from mustangs introduced by Spanish conquistadors in the 16th Century.

"The wild horse and burro adoption program," says BLM Director Robert L. Burford, "is a partial solution to the problem of overpopulation among wild horse and burro herds on western public rangelands. These herds have expanded in most areas since approval of the Wild Free-Roaming Horse and Burro Act in 1971. They compete for very limited forage and water with both native wildlife and domestic

livestock that graze the public rangelands. In order to maintain a proper ecological balance BLM rounds up excess wild horses and burros and makes them available for adoption."

Burford adds that approximately 32,000 wild horses and burros have been adopted since the national Adopt-A-Horse Program began in 1976. Adopted horses and burros are now found in every state except Hawaii and Delaware.

What sort of people adopt wild horses and burros? Just about anyone with an interest and affection for the animals, Burford says. "Most of our adopters want to see wild horses and burros protected, not just as a reminder of our Nation's western heritage, but as animals worth owning and enjoying."

BLM screens potential adopters for proper facilities and experience to care for the animals, which are unbroken when adopters pick them up. For the first 12 months following adoption, wild horses and burros remain the property of the U.S. Government. Adopters may apply for title after providing proper care and treatment for that period.

Since 1979, BLM has operated a wild horse and burro distribution center in the town of Cross Plains, Tennessee — about 30 miles north of Nashville. "The Tennessee center has been a huge success," Burford says, "primarily by making it easier than ever before for people in the states east of the

Mississippi River to pick up adopted animals.

"Based on that success — nearly 3,000 adoptions in two years — BLM opened a midwestern distribution center last summer near Omaha, Nebraska and plans to open another eastern distribution center next April.

We've chosen the Harrisburg, Pennsylvania, area for the next center primarily for its proximity to so many potential adopters in the Northeast and its accessibility via the interstate highway system."

Members of the public who would like more information about the adoption program should write to Adopt-A-Horse, Dept. 618-K, Consumer Information Center, Pueblo Colorado 81009. Along with a brochure on the adoption program, the writer receives an application form to be completed and returned to the Bureau of Land Management. The applicant is asked to specify on the form the age and sex of the horse or burro desired, and to describe the kind of facilities available for the animal's care. An individual can apply for

up to four animals a year.

Once BLM approves an application, the name of the potential adopter is placed on a register. As horses and burros become available, the approved applicant is notified where and when to select and pick up the animal. How long an applicant has to wait for an animal after application has been accepted depends upon the number of animals available and the number of prior applicants who want the same sex, color, or age animal. The most requested animals are three-to-five-year-old mares and (female burros).

Currently, there is no charge for these wild horses and burros. An adopter pays only a veterinarian's fee, the cost of transporting the animal from the state in which it was captured to the distribution pickup point, and a portion of the adoption center's handling charge. Starting January 2, 1982, there will

be a fee of \$200 per horse and \$75 per burro, plus transportation costs. The veterinary cost will be included in the adoption fee.

Burford explained that the adoption fee is necessary to help partially reimburse the U.S. government for what it spends to remove the animals from the rangelands, process adoption applications, provide medical examinations and vaccinations, and feed and handle the wild horses and burros during the adoption process. Adopters are advised of the exact costs when animals become available.

BLM estimates there are currently over 70,000 wild horses and burros on public rangelands in 10 Western States, with more than half concentrated in Nevada and Wyoming. According to BLM range specialists, the optimum number the ranges will support for good management is approximately 25,000.

Fertilize via irrigation

NEWARK, Del. — Soil and tissue tests from a University of Delaware extension demonstration project involving about 7000 acres of irrigated corn have shown that nitrogen, sulfur and boron are often deficient. These nutrients are all subject to loss by leaching—a problem frequently encountered on sandy Coastal Plain soils.

One solution to the problem is to apply these materials through the irrigation water at appropriate intervals. The Cooperative Extension Service, in cooperation with local farmers and fertilizer dealers, tested the feasibility of applying a blend of nutrients through irrigation systems last summer.

According to Delaware extension agronomist Dr. William H.

Mitchell, the test formulation included 30 percent nitrogen solution, Solubor, ammonium sulfate and water. At each application of 20 pounds of nitrogen, two pounds of sulfur and 0.4 pound of boron, premixed with water, were applied to each acre. In most cases, five separate applications were made.

Tissue samples were collected from corn plants before and after the fertilizers were applied. "Field data from these tests are not available," says Mitchell, "but it is significant that no difficulties were encountered in formulating and applying the blended fertilizer."



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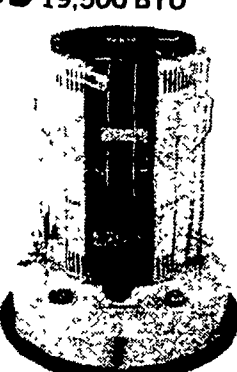
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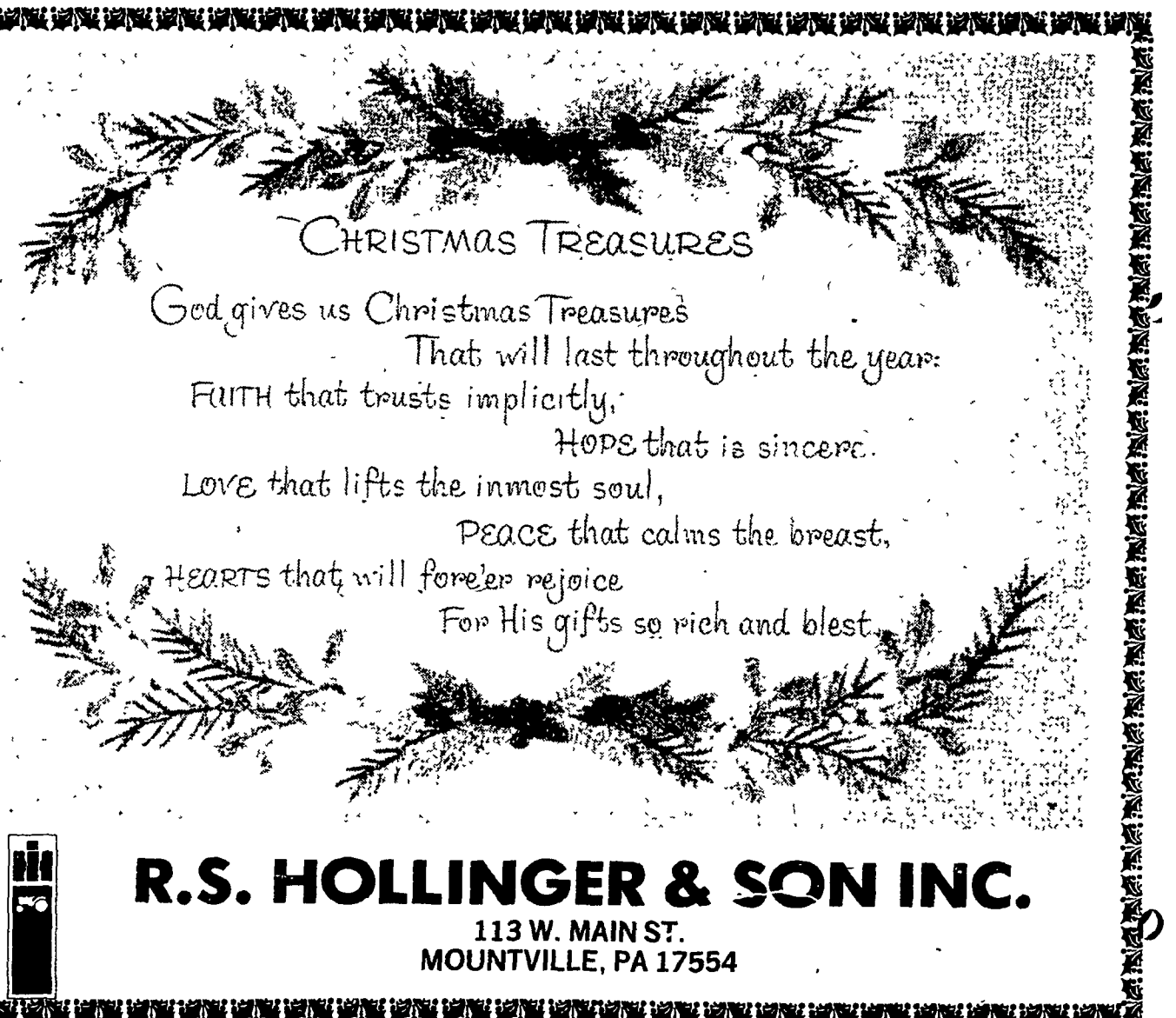
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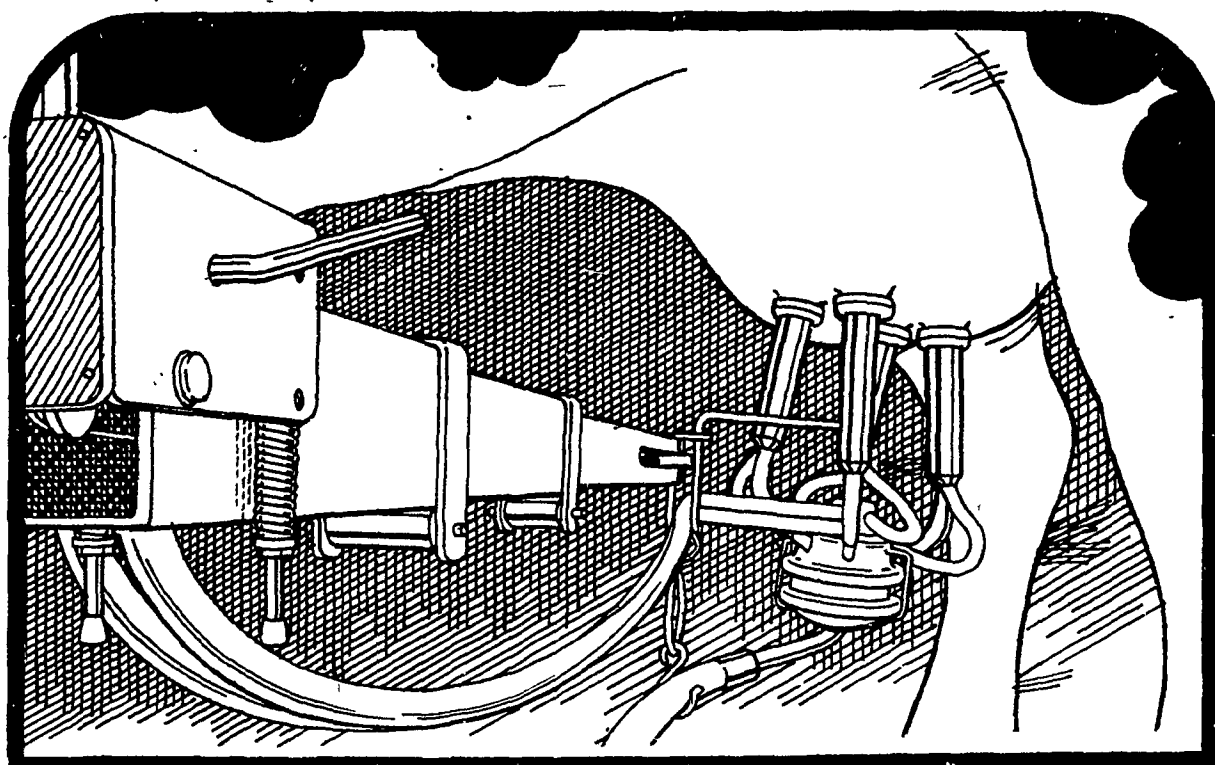
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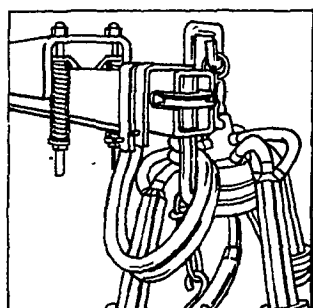
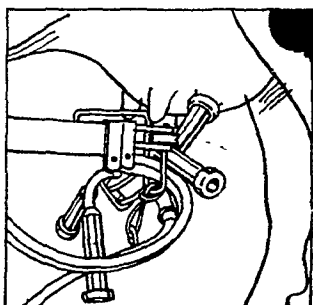
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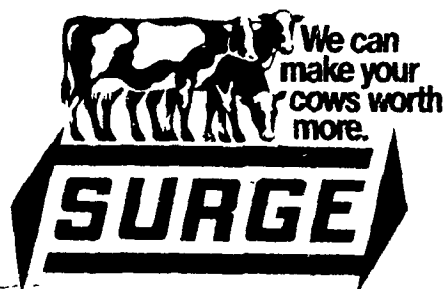
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Tips for better baking

LANCASTER — Have you been unhappy with recent baking results? Cookies too brown and crisp — pie crust not done enough or over done? If so, you might be surprised to learn that these problems may be the result of the cooking utensils you are using.

According to Greta C. Vairo, Extension Home Economist with the Penn State Extension Service, the type, size, shape and even the color of the utensil, as well as where you place them in the oven can have a considerable effect on baking results. Here are some suggestions that can help improve the quality of your baked products.

For best results, make sure you use trusted standard recipes. These recipes have been tested several times and the ingredients are measured to the exact proportions. Sometimes the ingredients in a traditional family recipe have been changed or forgotten as the recipe was passed down from generation to generation. So, if the traditional recipes are not turning out as you would like them to, compare them to similar standard recipes to make sure the ingredients are correct.

The secret to 'golden' brown cookies is a shiny aluminum cookie

sheet without sides. The aluminum will spread the heat evenly, where as dark tin cookie sheets absorb the heat and make the browning uneven. Using a cookie sheet that is too large can also cause uneven browning because heat is trapped under the sheet which prevents air from circulating. For best results, allow two inches of free space on all sides of the cookie sheet and bake one sheet at a time.

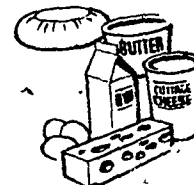
Glass absorbs the heat and bakes faster. So, if you use glass baking dishes for cakes, bread, rolls, or biscuits, reduce the oven temperature called for in the recipe by 25°. It isn't necessary to lower the

oven temperature for casseroles, meats or pies baked in glass dishes.

Baked frozen pies will look as tempting as homemade, if package directions are followed. The shiny aluminum foil pans used for pies reflect the heat and prevent browning, sometimes resulting in a soggy, underdone bottom crust. That's why manufacturers recommend placing the pie on an aluminum cookie sheet. The cookie sheet helps to conduct heat to the bottom crust for browning. To be sure that your homemade pies are golden brown, use a pie pan that absorbs heat...dark tin, anodized aluminum, or glass may be used. If the edges of your pie crust are too brown, form a collar of aluminum

foil, 1 to 1½ in. wide, to reflect heat and slow browning. Remove the collar during the last 10-15 minutes of baking.

Follow these tips can help make you happier with your baking results.



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45LR1	45,000	135,000	70	120/240	175	1	3	670	730
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Chicken Coop News

Update on the poultry industry

By Herb Jordan

Penn State Extension Poultry Specialist

Age of bird and egg size

In 1978-79 a comparison of records of egg size and age of bird was compiled by computer from the Elk County study by C.M. Skillington, County Extension director, Ridgway.

No jumbo eggs (over 30 ounces/doz) were found in the sample until 41 weeks of age. One percent jumbos were produced at the 42nd-43rd weeks of age. After this, the percent jumbos rose more than 2 percent per month and stabilized at 8 to 12 percent per month the last three months of lay - 11, 12 and 13 months.

At the other size extreme we found 4 percent peewee eggs produced according to the sample the first month then none thereafter.

Sixty-two percent small or pullet eggs were produced the first month - this immediately dropped to 8 percent, 3 percent, and 1.6 percent, respectively, during the next three months. None were produced again until the 12th period when 1/2 of one percent were found in the sample.

One percent large eggs was produced the first month then rose rapidly to 15, 48, and 63 percent, respectively, during the next three months and stabilized between 50 and 60 percent then decreased at the 55th week of age to 44 percent large eggs. It remained between 31 and 43 percent until the 77th week of age.

No extra large eggs were

produced during the first month; however, 2, 7, 7, and 20 were sampled during the next four months at which time the percent grew steadily to 51 percent at the 64th week of age and varied between 42-54 percent until 77 weeks of age.

The last 6 months of lay or from 50 to 77 weeks of age the percent large, extra large and jumbo combined ranged between 89 and 97 percent large or larger in all samples.

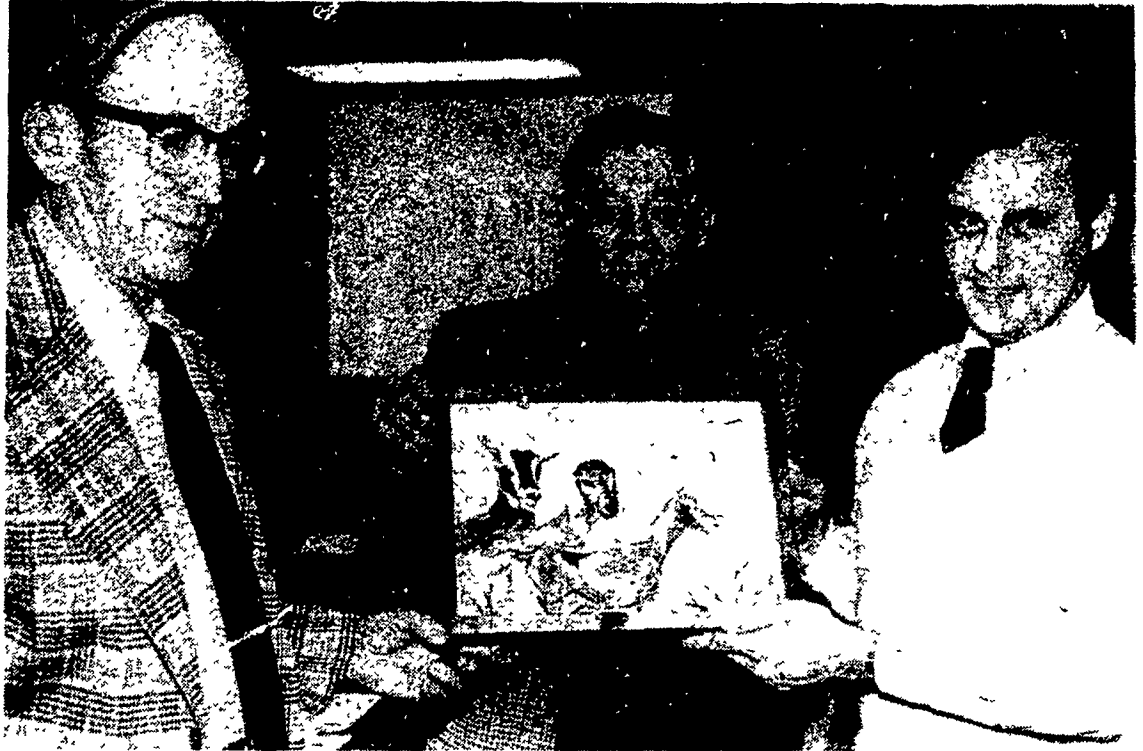
With a 20 cents or more price per dozen difference between all large and larger eggs compared with all sizes medium and smaller, we find a flock record such as this to generate more income than flocks with more medium or smaller eggs produced.

According to some egg marketing firm managers in Pennsylvania, egg size is one of the most important items to keep a constant flow on demand, and continuous purchase of eggs. Some consumers consistently buy a given egg size; if the preferred egg size is not present some will buy no eggs.

The logistics of producing, processing, and marketing the needed size of egg for the right market is essential.

One hour spent each day on market demand or market analysis to predict needed supply of each size egg is usually time well spent. The logistic of getting

Merry Christmas, Glenn!



Lancaster County agent, Glenn Shirk, right, receives an early Christmas gift from members of the Dutch Country Goat Club during their recent December meeting. Treasurer Ivan

Stauffer, left, Ephrata, and President Jacob Fisher, Manheim, center, present Shirk with the painting by local artist, Arlene Stauffer, Ephrata.

the right size egg to the right customer is essential.

Since January 1981, many flocks of layers have been molted. This causes more larger sized eggs to be produced and come to the market. Medium sized eggs become fewer and may be so scarce that egg processors place large eggs in medium cartons to satisfy medium markets. This can cost 14 cents a dozen - at 100 cases a week costing a farm-packer \$420 a week or \$21,840 each year it is continued.

Cattle on feed down

WASHINGTON, D.C. — Cattle and calves on feed December 1 for slaughter market in the 7 States preparing monthly estimates totaled 7.33 million head, down 8 percent from a year ago and 11 percent less than December 1, 1979, according to the Crop Reporting Board.

Marketings of fed cattle during November totaled 1.30 million head, down 4 percent from last year and 10 percent below

November 1979.

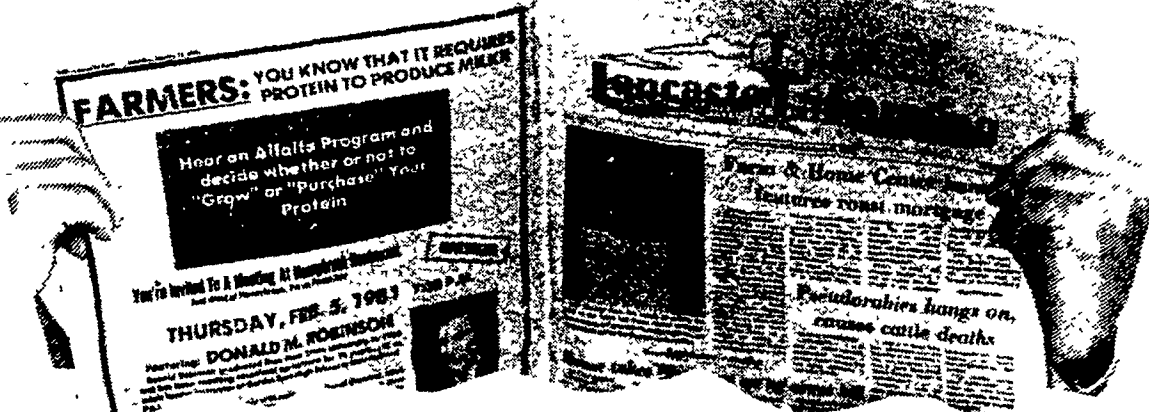
Placements of cattle and calves on feed in the 7 States during November were 1.62 million, off 2 percent from last year and 12 percent below November 1979. This was the smallest number placed during November since 1974.

Net placements of 1.51 million were down 1 percent and 11 percent, respectively, from last year and 2 years ago.

Other disappearance totaled 107 thousand compared with 127 thousand in November 1980 and 158 thousand in 1979.

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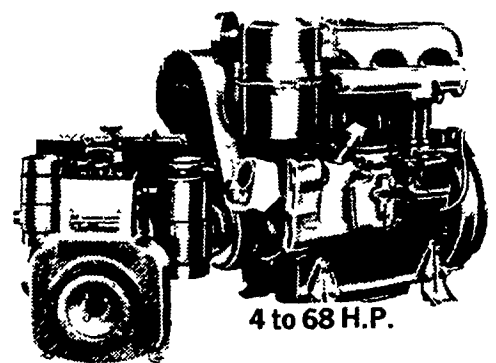
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Farming's Futures

By David K. Sauder
Commodity Advisor
Trade Tech, Lancaster



Is there a best delivery month in which to hedge?

The fact that the price is the highest for one particular futures delivery month—that the July futures prices, for example, is higher than the May futures price—doesn't necessarily mean this is the most profitable month in which to hedge. Or that it will necessarily yield the highest net payment for storage.

To make this decision, you need to take into account not only the various futures prices and the carrying charges they reflect but also the probably basis. It's yet another way in which basis knowledge can be useful—and, indeed invaluable—in making marketing decisions.

For example assume the May futures price of corn is \$2.50 and the July future price is simultaneously \$2.56. At first look, that appears to be a payment of 3 cents a month for storing corn from May to July.

But if your records indicate the normal basis for your area is 20 cents in May and 24 cents in July, the futures market is offering you a net of \$2.30 (\$2.50 minus 20 cents) for corn delivered in May and \$2.32 (\$2.56 minus 24 cents) for corn delivered in July. Chances are you would want to think twice before storing corn for a payment of a penny a month.

What action can a hedger take if the basis is unfavorable?

Assume the same facts as in the previous example except that, as the delivery month is approached, the basis is a much wider than expected 35 cents a bushel. Selling your crop locally and lifting the hedge that was placed at a futures price of \$2.50 would net you only \$2.15 for your corn. What can you do about it?

One alternative to consider is moving the hedge forward into another delivery month in the hope that it eventually can be lifted at a higher net price. That is, that the futures price minus the basis will be higher than \$2.15 a bushel.

Moving a hedge forward can be accomplished simply by buying in the existing futures contract and simultaneously selling a similar contract in a later delivery month. Such as by buying in a March contract and selling a May contract. Or by buying in a May contract and selling a July contract. Any carrying charge difference between the two contracts should provide you a payment for the extended storage.

Example: Assume (for the sake of simplicity) that the March contract sold at \$2.50 is still \$2.50 and that the local cash price is 35 cents lower at \$2.15. If you decide this is an unacceptably low price, you may wish to buy in the March

contract and sell a May contract at, say, \$2.58. If the basis by May returns to a more normal 25 cents, you will be able to sell your crop and lift the hedge at a net price of \$2.33 a bushel (the futures price of \$2.58 less the 25 cents basis).

Can a hedge be lifted sooner than planned?

A hedge can be lifted at any time simply by buying in the futures contract at the prevailing price. There could be circumstances in which this might be to your advantage.

For example, assume that at harvest you placed your crop in storage and, in order to protect yourself against a possible decline in price, by hedged by selling a futures contract. Since then, however, there are indications that prices during the spring and summer may move sharply higher. To take advantage of the expected higher prices, you may decide to lift the hedge. (The risk that you run in doing so, of course, is that time may prove that you were wrong about the direction of prices.)

Another opportunity to lift a hedge earlier than planned could result from a sudden and unexpected narrowing of the basis — due, for example, to a significant increase in the local price relative to the futures price, or from a larger decline in the futures price than in the local cash price. Lifting the hedge and selling your crop sooner than planned to take advantage of the narrow basis could result in a higher price and savings on storage costs.

In addition to the situations just discussed, you may want to lift a hedge sooner than anticipated simply because the cash price of the commodity has declined to a level at which you are now willing to own it without price protection. Any subsequent increase in the price once the hedge is lifted should then result in a profit (to the

U.S. Senate approves agricultural nominee

WASHINGTON, D.C. — By an affirmative voice vote, the Senate last Wednesday approved the presidential nomination of Kalo A. Hineman to be a commissioner of the Commodity Futures Trading Commission.

Last Monday, the Senate Committee on Agriculture, Nutrition, and Forestry held hearings on Hineman's nomination. In a meeting Tuesday, the Committee unanimously recommended to the Senate that the nomination be approved.

Senator Jesse Helms, chairman of the Senate Agriculture Committee, said, "Kalo Hineman will provide an excellent service to the CFTC. With his extensive and intimate knowledge of the day-to-day workings of agriculture, he will bring a special — and necessary — dimension to the CFTC."

Hineman, a native of Dighton, Kansas, has been farming for 34 years. He and his son operate a 2,500-acre wheat and milo farm. On an additional 2,500 acres, they also have a 200-head cow-calf operation. Hineman is also involved in marketing stocker calves and yearlings as well as finished cattle.

He has been a member of the Kansas House of Representatives since 1974. He has also been active in numerous agricultural organizations, including the Farm

Bureau, the Kansas Association of Wheat Growers, and the National Cattlemen's Association.

During the confirmation hearings, Hineman said, "My wish is that my tour of duty as a CFTC Commissioner will be paralleled by a substantial increase in the level of public understanding and of justifiable confidence in futures trading and futures trading markets."

The Commodity Futures Trading Commission is an independent federal agency responsible for regulating futures trading. The CFTC's regulatory and enforcement efforts are designed to ensure that the futures trading process is fair and that it protects to both the rights of customers and the financial integrity of the marketplace. CFTC Commissioners are appointed by the President for five-year terms.



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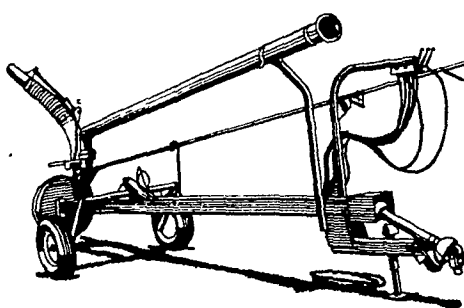


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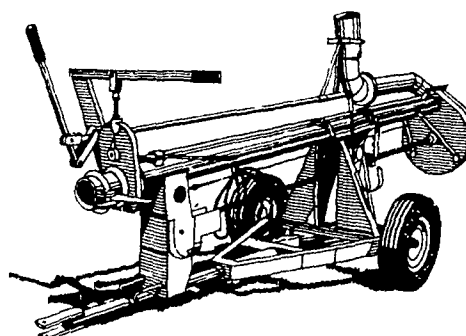
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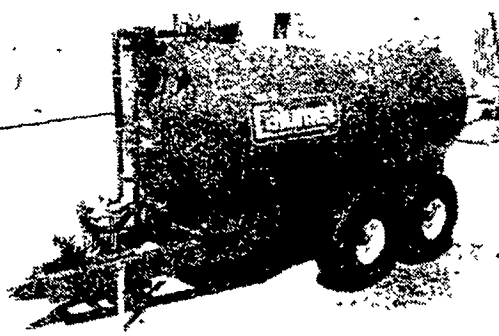
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the new year; and small wood trinkets, like a yo-yo or top, carved with a jack-knife and used as stocking stuffers.

Even the tree ornaments are hand-made from scraps of cloth and wood.

May this year's holiday season be as warm and happy as those fond memories of Christmas past.

Lancaster Farming, Thursday, December 24, 1981—B33

Ag Area Security Act creates planning tool

UNIVERSITY PARK — The Agricultural Area Security Act was signed into law in June 1981, and allows local government to create agricultural areas within their communities.

Stanford Lembeck, Extension community housing and planning specialist at Penn State, says the act created a preservation tool by authorizing counties to purchase development easements.

"Generally speaking, a development easement is that portion of a landowner's property which gives him the right to develop his land for homes, stores, or factories," says Lembeck. The value of the development easement can be evaluated and separated from the value and use of the land for farm use. Paying a farmer the market value of his development rights while keeping the land available for agricultural production may help preserve farmland.

The act also calls for the local governing body, county commissioners, agricultural area advisory committee, and the Commonwealth Agricultural Lands Condemnation Board to review and approve farmland in the agricultural areas proposed to be taken by condemnation.

Lembeck points out the key features of the act:

- An "agricultural area" is

proposed by the owners of 500 or more acres of land suitable for agricultural production.

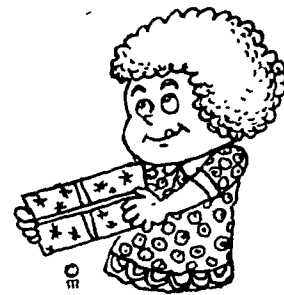
- Unconnected parcels of land may be included in an agricultural area.

- The program is locally based. The governing body of a township or borough creates the "agricultural area" after thorough evaluation by citizens, the local planning commission, and a local agricultural area advisory committee comprised of three active farmers, one local resident, and a member of the governing body.

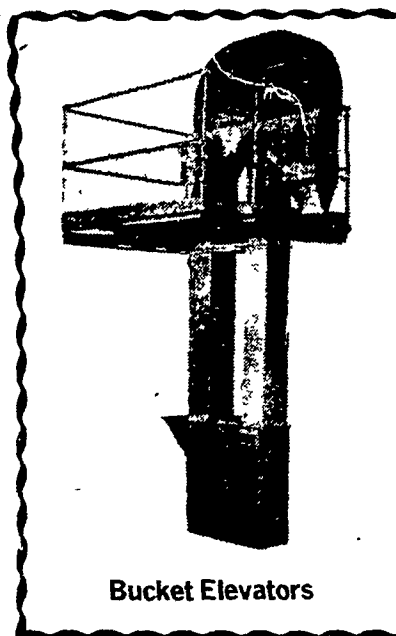
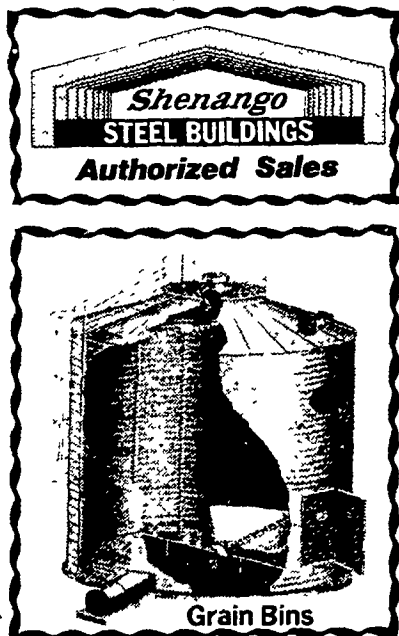
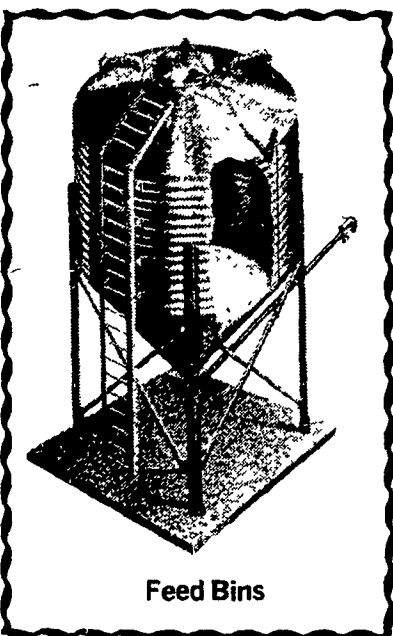
- Once an "agricultural area" is established, participation in it by landowners is voluntary.

- Each agricultural area has a lifetime of seven years, after which, it is reviewed to see if it should be continued or be terminated.

To benefit landowners who voluntarily participate in the program, local governments have been asked not to enact local laws or ordinances within the "agricultural areas" which would unreasonably restrict farm structures or farm practices. Commonwealth agencies are modifying their administrative regulations and procedures to encourage and enhance viable farming in these agricultural areas.



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Town _____ State _____ Zip _____

Phone (Include Area Code) _____



Berks County DHIA Monthly Report

November 1981

The following is the Berks County DHIA report for the month of November, 1981. Only those herds averaging 1.5# per day or over are listed.

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Charles Plushanski	B3	106	93.5	61.9	3.7	2.28
C. & T. Kissling	B3	63	84.9	55.3	3.9	2.16
Stephen J. Janos	B3	31	86.2	54.7	3.8	2.09
David L. Schrack	B3	99	91.2	42.9	4.5	1.94
Junge Farms	B3	52	95.4	53.2	3.6	1.92
Roy Hoppes	B3	37	89.5	46.9	4.1	1.91
Glenn R. Harnish	B3	76	87.3	50.7	3.7	1.90
Wilmer Hurst	B3	49	103.2			
Bendy Brook Farm	B3	52	89.6	53.0	3.5	1.84
Arlan Krick	B3	73	86.6	44.6	4.1	1.84
Wilmer R. Martin	B3	40	78.5	50.1	3.6	1.82
Charles W. Lamm	B3	86	89.4	48.4	3.7	1.81
Troutman & Sons	B3	106	91.2	50.0	3.6	1.81
David P. Williams	B3	40	90.8	47.8	3.8	1.80
Heindel Farms Inc.	B3	27	79.1	42.4	4.2	1.80
Bruce D. Cammauf	B3	21	86.6	48.2	3.7	1.79
Win-Dale Farm	B3	43	95.2	33.8	5.3	1.78
Mark A. Wolfskill	B3	96	80.6	48.1	3.6	1.75
Linden Loch Hols	B3	55	89.7	45.4	3.8	1.74
Mertz Brothers	B3	44	87.7	43.7	4.0	1.74
R.B. Burkholder	B3	41	91.1	48.5	3.6	1.73
Donald B. Duncan	B3	92	89.1	43.2	4.0	1.72
Richard Bleiler	B3	52	89.8	46.7	3.7	1.72
Alton Rohrbach	B3	41	87.3	46.2	3.7	1.72
Teen Chai Farm	B3	104	92.7	43.2	4.0	1.72
Geo. Troutman Jr.	B3	69	83.4	47.7	3.6	1.71
K & R Wolfskill	B3	52	80.8	48.8	3.5	1.70
B & K Grimes	B3	65	85.5	42.4	4.0	1.68
David Y. Knauer	B3	55	85.6	46.1	3.6	1.66
R & K Sanner	B3	77	87.7	49.7	3.3	1.65
Ronald L. Richard	B3	47	95.5	44.3	3.7	1.65
George E. Moyer	B3	90	87.5	41.9	3.9	1.64
Kenneth H. Wenger	B3	71	81.9	42.9	3.8	1.64
Zahncroft Farm	B3	50	78.5	49.6	3.3	1.63
William Howerter	B3	89	83.6	46.2	3.5	1.63
Jaimore Farm	B3	77	84.1	39.9	4.1	1.63

Ernest C. Hoffman	B3	56	92.3	44.2	3.7	1.62
Marlin Stutzman	B3	55	91.9	40.1	4.0	1.62
Good Bros	B3	60	92.1	45.7	3.5	1.62
Wilmer Dreibelbis	B3	51	77.8	43.5	3.7	1.60
Mat Mar Farms Inc.	B3	84	85.4	44.0	3.6	1.60
William Mitchell	B3	28	95.4	49.0	3.2	1.59
Alfred E. Schmutz	B3	54	90.5	40.9	3.9	1.58
Robert Yanos	B3	60	83.0	41.0	3.9	1.58
Irvin G. Weaver	B3	51	82.6	43.1	3.7	1.58
Herb Top Farms	B3	25	90.3	40.3	3.9	1.57
Don Aloian	B3	40	83.3	40.8	3.8	1.57
Ontelynn Acres	B3	108	80.9	38.4	4.1	1.57
Harvy M. Weaver	B3	47	84.6	42.4	3.7	1.57
John F. Snyder	B3	51	83.8	43.4	3.6	1.56
Frank G. Gromlich	B3	69	83.8	41.2	3.8	1.56
Robert Sittler	B3	55	85.9	45.5	3.4	1.56
H. & G. Schuler	B3	66	79.0	41.6	3.8	1.56
Udder Valley Farm	B3	70	84.0	42.2	3.7	1.56
Kenneth Zook	B3	42	88.2	49.0	3.2	1.55
Robert Sattazahn	B3	107	86.1	43.3	3.6	1.55
Ernest O. Miller	B3	196	81.9	40.1	3.9	1.55
Donald M. Meyers	B3	64	91.9	41.6	3.7	1.54
William C. Adams	B3	91	81.6	39.3	3.9	1.54
Lynnares	B3	121	85.1	40.3	3.8	1.53
Arthur Schlappich	B3	63	86.6	40.9	3.7	1.53
Herbert Moyer	B3	40	89.0	38.3	4.0	1.53
Leon Sensenig	B3	60	88.4	40.1	3.8	1.53
Yost Brothers	B3	112	84.0	45.6	3.4	1.53
Leroy E. Howard	B3	141	80.9	46.4	3.3	1.52
Andrew Stoltz	B3	152	82.4	41.2	3.7	1.52
Clarence B. Kulp	B3	66	84.4	41.4	3.7	1.52
C. & F. Stricker	B3	54	73.9	38.9	3.9	1.52
Pine Brook Farm	B3	101	85.7	37.8	4.0	1.51
Donald E. Landis	B3	129	87.8	40.1	3.8	1.51
David L. Phillips	B3	44	84.1	31.1	4.9	1.51
Arlan D. Davis	B3	31	81.6	41.3	3.7	1.51
Teen Chai Farm	B3	105	89.1	38.9	3.9	1.51
Vista Grande Farm	B3	92	85.3	41.5	3.6	1.50
Way Har Farms	B3	108	82.7	37.9	4.0	1.50
Harvey Krill Jr.	B3	46	85.9	41.5	3.6	1.50
Joseph F. Walters	B3	68	80.7	39.0	3.8	1.50
Springhouse Farm	B3	57	87.1	27.8	5.4	1.50
J. & P. Berry	B3	44	77.4	41.0	3.7	1.50
C. C. Sattazahn	B3	99	82.3	42.6	3.5	1.50

The following cows produced over 650 lbs. of fat or more in 305 days or less

OWNER NAME OR NO.	BREED	AGE	DAYS IN MILK	LBS. MILK	LBS. FAT
Leroy E. Howard	H	8-2	305	17,904	826
Foxie	H	6-11	305	22,621	792
Margie	H	6-9	305	23,366	965
Bobbi	H	4-3	305	20,807	770
Sherry	H	4-4	305	20,334	676
Baby	H	4-3	305	18,896	810
Becky	H	3-5	305	15,756	784
Jan	H	3-5	282	17,328	755
Lizzy	H				
Ro Ria Farms	H	8-7	305	18,329	704
#13	H	8-1	305	17,958	693
#51	H	4-5	305	18,394	687
#293	H	2-6	305	15,950	724
#325	H				

Zahncroft Farm	H	8-5	305	20,979	747
Alice	H	3-0	305	21,056	652
Ginger	H				
Carl E. Hollenbach	G	4-5	305	14,908	803
Vixen	G	1-11	305	14,331	653
Fizzy	G				
Roger S. Buch	H	3-7	304	19,300	759
Sylvia	H	3-9	305	22,454	715
Laverne	H	3-11	305	18,147	802
Sharon	H	8-1	305	17,405	681
Seven	H				
Vista Grande Farm	H	5-3	305	22,169	697
Olivia	H				
Mark A. Wolfskill	H	4-4	305	22,897	850
Carolyn	H	3-0	305	22,118	767
Rachel	H	2-3	305	19,297	703
Tanya	H				
Rodger L. Wagner	H	5-1	305	19,747	661
#54	H	6-4	305	20,315	706
#29	H	3-8	305	19,576	707
#9	H	3-8	305	18,920	666
#50	H	3-7	305	18,692	721
#101	H	3-10	305	21,281	800
#239	H				
Wilmer Dreibelbis	H	5-3	305	19,792	722
Sylvia	H				
Charles W. Wagner	H	3-9	305	16,587	693
Naomi	H				
Donald B. Duncan	H	6-11	305	18,307	688
#19	H	6-10	305	16,215	725
#71	H	5-9	305	20,322	949
#84	H	4-5	305	25,632	797
#40	H	4-9	294	17,121	721
#68	H	4-11	305	18,274	814
#3	H	4-8	305	17,916	798
#22	H	4-0	305	18,421	694
#89	H				
Charles & Tim Kissling	H	3-2	305	24,867	811
Maxine	H	1-11	305	17,156	714
Lulu	H				
Lynn E. Stoudt	H	4-2	298	21,541	675
#19	H	5-11	305	21,333	683
#166	H				
Ernest E. Heckman	H	8-8	301	16,963	650
Bessie	H				
James H. Adam	H	6-5	305	14,658	654
126 Judy	H	8-6	305	17,181	677
Flo	H	5-11	305	15,706	658
Jam	H	5-4	297	17,389	691
Jodie	H				
Donald E. Landis	H	4-3	305	14,991	695
#260	H	4-6	305	18,416	731
#217	H				
Ralph & Ken Sanner	H	8-1	305	21,832	838
Violet	H	5-4	305	19,420	699
Sara	H	5-5	305	18,953	787
Nancy	H	4-11	305	24,940	833
Dolly	H	5-6	305	18,380	687
Tammy	H	3-1	305	23,266	725
Dolly2	H	2-11	303	17,878	707
Neddy	H				

(Turn to Page B35)



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Berks Co. DHIA

(Continued from Page B34)

Charles W. Lamm	H	7-4	305	16,355	693
Twinkie	H	6-1	294	16,323	700
Mabel	H	3-3	305	18,169	819
Cara	H				
Mertz Brothers	H	6-1	305	20,645	830
DoraE	H	4-7	305	22,843	680
Colleen	H	2-1	305	17,267	727
Clare	H				
John W. Crossley	H	10-7	305	15,232	694
#37	H				
Harold N. Miller	H	0-0	305	15,645	657
#62	H				
Ray W. Seidel	H	6-10	305	17,815	673
Bubbles	H	4-6	305	15,828	654
Esther	H				
Ker Min Farms	H	3-8	305	17,069	710
Doll	H				
Robert Yanos	H	5-1	305	17,054	721
Snowhit	H				
William G. Howter	H	4-7	288	22,379	776
Kim	H				
Charles Plushanski	H	5-5	305	21,126	780
Maude	H	5-3	305	22,802	758
Helga	H	4-4	305	26,618	1033
Cora	H	3-9	302	22,555	660
Margie	H	3-5	278	18,581	862
Cheryl	H	3-4	293	19,384	667
Peach	H	2-1	305	16,707	663
Belle	H				
Marlin J. Stutzman	H	6-2	305	17,051	650
Fanny	H				
Swatara Dairy Farm	H	7-8	295	19,700	725
#273	H				

#22	H	5-7	305	18,368	790
#28	H	5-6	273	18,191	726
#37	H	5-3	305	20,689	755
#95	H	3-5	305	16,612	722
#100	H	3-4	259	17,943	669
R.C. & C.E. Wieder	H				
Kelly	H	4-11	305	20,057	783
Charles D. Moyer	H				
Cola 1	H	4-10	305	22,558	864
Cake 61	H	5-0	285	18,135	803
Lucy 128	H	4-7	303	19,720	884
Ouilli	H	4-8	305	17,374	744
Way Har Farms	H				
#60	H	5-5	305	19,605	725
#94	H	4-4	305	19,158	746
#13	H	3-1	305	19,064	656
#136	H	2-0	305	15,256	679
John H. Stump	H				
Robbie	H	7-2	305	18,348	708
Sheila	H	6-6	305	20,845	756
F. M. Browns Sons, Inc.	H				
#58	H	6-3	305	19,417	686
#79	H	4-0	305	22,815	733
Stephen J. Janos	H				
Shirley	H	7-0	305	27,180	965
Joann	H	5-0	305	23,748	809
Ester	H	3-9	305	26,186	805
Charity	H	3-4	305	20,196	779
Andred D. Stoltzfus	H				
Midge	H	6-11	305	21,485	865
Tena	H	5-4	305	21,119	827
Dot	H	5-1	305	24,543	919
Sherry	H	4-5	305	25,617	740
Comet	H	4-6	302	20,727	758

Lancaster Farming, Thursday, December 24, 1981—B35

Sue	H	3-7	305	22,292	841
Pearl	H	3-2	305	20,923	767
Daview Farm	H				
Shadow	H	3-3	305	17,474	673
William C. Adams	H				
Nun	H	7-1	305	18,133	761
Cora	H	5-1	305	15,681	730
Marble	H	3-1	281	15,349	666
R.R. Troutman & Sons	H				
Prilly	H	6-11	305	23,094	1015
Mona	H	5-0	305	20,817	713
Bobbie	H	8-7	273	16,102	727
Lynn	H	3-3	305	20,059	686
Mervin Brubaker	H				
Whity14	H	11-2	305	21,065	993
Prncs39	H	6-1	305	22,331	993
Dawn 4	H	4-1	303	20,579	764
Dove 54	H	4-0	305	23,805	843
March 31	H	3-9	305	21,215	753
Joan 71	H	3-4	284	18,311	650
George E. Moyer	H				
51ktrna	H	6-3	305	18,384	697
80Charl	H	4-11	299	17,850	674
83 Dawn	H	2-9	305	17,040	575
J. Merle Stutzman	H				
Kathy	H	4-1	305	18,696	693
Harry P. Shaak	H				
#395	H	2-1	305	19,363	670
Earl R. Hafer	H				
#233	H	6-6	305	16,560	668
#175	H	5-3	305	22,269	663
#96	H	6-11	305	17,530	691
#240	H	3-10	305	18,467	662
Robert L. Sattazahn	H				
Iva	H	8-3	297	23,459	748
Briget	H	8-1	305	17,241	652
Sara	H	5-2	281	17,260	673
Ray E. Bicksler	H				
Dixie	H	9-0	305	21,447	815
Glenn B. Gockley	H				
#37	H	10-2	305	18,492	723
Pinnacle View Dairy	H				
Alison	H	5-4	274	18,948	654
Frank G. Gromlich	H				
1 Grand	H	11-0	305	18,169	709
Honey	H	8-5	305	19,081	678
Comet	H	7-4	305	21,161	776
Reta 4	H	6-7	305	20,785	772
Val 9	H	4-6	292	16,830	660
Burke	H	6-11	305	22,015	937
Mat Mar Farms Inc	H				
#22	H	5-1	305	16,820	668
Clarence B. Kulp	H				
#96	H	9-7	289	18,318	673
#87	H	6-5	305	19,471	679
#18	H	5-4	305	17,570	727
#43	H	3-11	305	15,501	664
#42	H	3-10	305	20,357	763
#82	H	3-1	305	20,437	708
#23	H	2-5	305	15,541	725
Raymond A. Seidel	H				
Ellen	H	3-4	305	16,569	670
Larry E. Phillips	H				
#18	H	0-0	305	23,037	817
#31	H	5-6	305	21,456	785
#13	H	4-2	305	23,242	898
Ernest O. Miller	H				
#504	H	4-10	305	22,318	858
#500	H	5-1	305	22,185	684
#537	H	4-5	305	19,393	699
#620	H	3-5	305	22,479	918

(Turn to Page B36)

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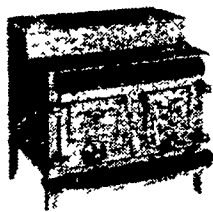
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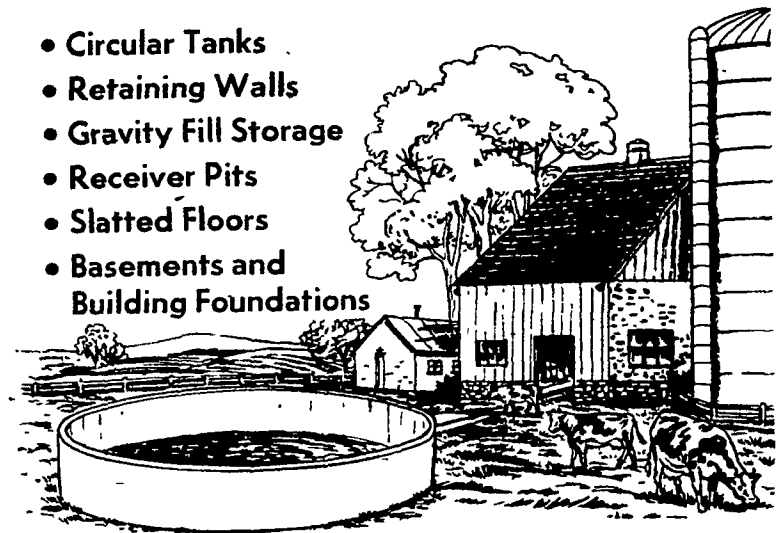
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(Continued from Page B35)

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Wendy	H	6-3	285	18,589	693
B Rita	H	5-3	305	19,336	741
Lucyrae	H	5-3	305	23,244	871
Hilda	H	4-1	305	20,223	826
Denise	H	3-0	290	17,320	693
Carl Zettlemoyer					
#5	H	8-1	305	18,006	668
Harold Fenstermaker					
Polly	H	5-1	305	16,376	727
Midge	H	3-1	305	15,913	709
Prudenc	H	3-3	305	16,763	668
Lynnacres					
Kandy	H	5-2	305	15,436	672
Ontelynn Acres					
#56	H	6-6	305	20,974	699
#39	H	3-11	305	17,776	752
Junge Farms					
Roberta	H	8-2	305	21,927	915
Mindy	H	2-4	296	18,669	737
Richard A. Bleiler					
Peony	H	4-11	305	22,406	812
Vanessa	H	4-0	305	20,644	699
Cara	H	3-2	305	22,251	773
Lori	H	3-1	305	26,006	873
Arthur D. Schlappich					
Panda	H	5-5	305	17,421	744
Raymond B. Nolt					
#52	H	7-10	305	17,712	660
#45	H	4-6	305	20,264	726
#73	H	3-1	305	17,781	686
Ken & Debra Dietrich					
Maude	H	7-10	302	21,560	733
Clarence E. Kreider					
#32	H	8-3	274	15,061	671
Bendy Brook Farm					
Nina	H	2-1	304	18,536	723
Retland Farm					
#30	H	6-9	305	18,006	695
Floyd Kurtz					
Lollipo	H	3-0	305	22,539	683
Roy Hoppes					
Martha	H	5-10	305	21,261	800
Took A Miracle Farm					
Fawn	H	2-0	501	21,456	874
David Y. Knauer					
Ruby	H	8-2	287	17,800	702
Philip & Tom Werley Jr					
#109	H	6-2	298	19,489	693
#152	H	4-2	305	19,256	709
#157	H	4-3	276	16,427	685
#177	H	0-0	305	17,507	679
Elam G. Hoover					
#24	H	6-5	305	16,705	677
Dynasty Holsteins					
#172	H	5-11	305	17,466	671
Lester Burkholder					
#20	H	5-5	305	20,085	676

#8	H	1	305	19,511	663
#86	H	5-2	305	18,463	665
#106	H	5-2	305	21,895	745
Heindel Farms Inc					
Rako	A	5-0	274	15,612	656
Heindel Farms Inc					
Mandy	H	2-1	305	19,449	755
Harvy M. Weaver					
#52	H	5-7	298	23,027	934
Harvey C. Krill Jr					
Shabby	H	8-1	269	16,514	675
Carol	H	4-5	302	17,956	889
Peaches	H	7-5	305	17,275	690
David L. Phillips					
#10	J	5-7	303	14,811	659
Steven E. Wagner					
#22	H	7-9	305	18,317	667
Win-Dale Farm					
Anise	H	3-1	305	16,121	697
Bruce D. Cammauf					
Bess	H	6-2	305	21,501	853
Wendy	H	5-5	305	21,468	1034
Bonnie	H	0-0	305	21,777	811
William Mitchell					
#49	H	6-3	305	19,681	770
#27	H	6-3	305	21,217	867
Carl & Forest Stricker					
#26	H	3-11	276	18,973	721
Dolly	H	9-3	281	21,047	787
Bertha	H	3-10	305	21,220	816
Cherry	H	2-0	305	19,171	653
Wilson M. Balthaser					
#18	H	9-0	280	16,098	695
#82	H	7-1	305	19,869	829
#35	H	5-2	305	19,197	753
Arlan Krick					
Stefani	H	3-4	305	18,620	658
Helen	H	5-6	305	17,171	748
Pony	H	7-10	305	20,921	876
Trudy	H	3-2	305	17,465	706
Ken & Robin Wolfskill					
Abby	H	3-4	305	21,721	863
Jaimore Farm					
Patience	H	5-3	305	16,259	666
Vesta	H	3-7	305	18,741	721
Glenn R. Harnish					
#47	H	4-8	305	21,997	873
#96	H	3-3	305	23,900	924

Glenn E. Hoffman					
Collet	H	3-10	305	17,890	652
Leon Senesing					
#30	H	3-3	305	24,058	797
#68	H	4-11	305	18,550	749
Good Bros					
#24	H	6-1	295	17,750	666
Fanny	H	5-1	305	22,289	769
Francie	H	4-0	305	21,141	759
Wilmer R. Martin					
Sue	H	4-1	305	20,035	695
B&K Grimes					
#42	H	3-0	305	17,669	777
#153	H	4-3	305	18,814	766
#47	H	9-0	305	26,329	1021
#3	H	3-3	305	19,499	741
David L. Schrack					
#48	H	6-5	305	18,353	742
Meadow Springs Farm					
#14	H	5-6	305	18,876	656
#5	H	5-5	305	16,931	692
Carl H. Rabenold					
#51	H	7-5	304	19,317	711
Kenneth H. Wenger					
#31B	H	0-0	305	17,898	705
Luke Snyder					
Promise	H	5-4	301	18,362	713
Gladys	H	3-3	305	17,866	749
Clarence C. Sattazahn					
#36Magi	H	7-11	305	21,555	717
#127Juli	H	5-4	305	18,076	677
#92	H	4-2	305	22,409	704
Poplar Drive Holstein					
Babe	H	3-4	305	18,815	711
George S. Troutman Jr					
Susie	H	7-3	286	23,571	796
Sheila	H	4-4	305	21,295	880
Carol	H	4-0	305	18,019	658
Yost Brothers					
#149	H	10-5	305	19,742	806
#50	H	6-7	274	18,399	727
#162	H	4-11	305	20,379	717
Teen Chai Farm					
#104	H	9-4	305	17,265	676
#56	H	6-5	305	18,452	722
#24	H	5-7	288	15,854	670
#2	H	4-7	305	18,013	681
#3	H	3-8	305	19,424	695
Irvin G. Weaver					
#82	H	6-8	305	20,237	718
#4	H	3-3	305	19,786	792

Secretary assures no polish embargo

WASHINGTON, D.C. — The Administration's decision to hold new credits for food to Poland in abeyance does not affect supplies already earmarked for delivery or those that could be sold on a cash basis by private parties, according

to Secretary of Agriculture John R. Block.

"It should be clearly understood that this action does not constitute an embargo," Block said. "The suspended food package involved credit for emergency feed grain we had considered offering to Poland two weeks ago. But after learning of the later developments, we believe it best to withhold any decisions on that matter until after

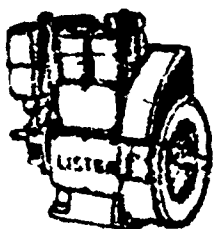
the situation clarifies."

Block said the suspension will not affect agricultural supplies that are already in the pipeline, nor any future non-credit sales to Poland.

"If the Polish government has the cash, then they are free to buy farm products from us," Block said. "Keeping trade channels open is a priority of this Administration."

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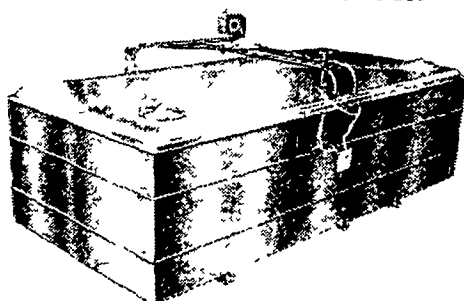
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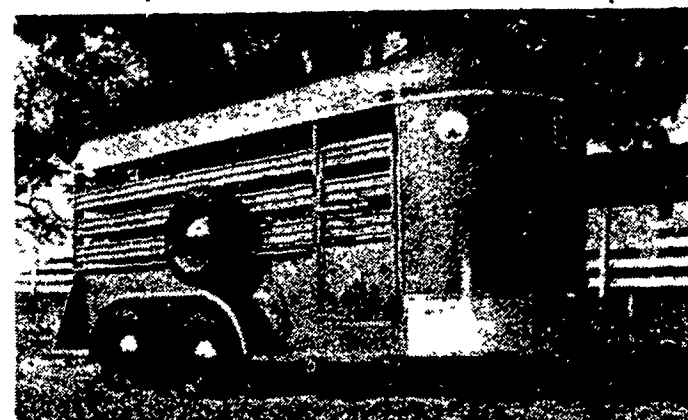
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Choice daughter tops Falcon Flight dispersal

BY GINGER SECRIST MYERS
Staff Correspondent

Lancaster — The Complete Herd Dispersal of Falcon Flight Farms, Litchfield, Conn., owned by the late A. Austin Cheney was held at the Guernsey Sales Pavilion, Lancaster, Thursday, December 17. The sale, co-managed by The Merryman Company and The Pennsylvania Guernsey Breeders' Association averaged \$739.60 on 100 head. Sale animals went to buyers from nine different states.

Topping the sale at \$2,250 was Falcons Choice Elda, a 3-year-old daughter of Kelloggs Minnies Choice and out of a dam with 15,729 pounds of milk and 710 pounds of fat as a 10-year-old. "Elda," who scored 79, finished her first lactation at 10,760 pounds of milk and 468 pounds of fat.

She was purchased by Michael T. and Linda M. Hart, new Guernsey buyers, who are in the process of establishing a herd in the Berwick area. The Harts also purchased the second and fourth high-selling animals of the sale.

Second high was Falcons Paul Pippin who scored 85 and recorded 12,754 pounds of milk and 568 pounds of fat as a 3-year-old. "Pippin" sold for \$2,200.

The fourth high-seller purchased

by the Harts was Falcons Fayvor Ginger who scored 80 and recorded 1,074 pounds of milk and 35 pounds of fat on 23 lactation days as a 2-year-old. The Harts purchased the Ginger cow for \$1,900.

Third high selling individual went to Hugh S. Dunning, Walpole, New Hampshire. Dunning purchased Falcons Talisman Birdie, who classified 81 and is one of the current foundation cows of the herd, for \$2,000. Due in July to Maurana Wis Teletar, she is currently projected to 19,257 pounds of milk and 706 pounds of fat as a 6-year-old.

Top volume buyer of the day was Joseph C. Thompson, Smyrna, New York, who purchased 14 head for a total of \$7055.

The herd, founded by Dr. Benjamin Austin Cheney in 1914, was built on a foundation of Bell-Founder and May Rose blood. In later years, a concentration of Coronation-Green Meadow blood was selected to carry on the herd and breeding program.

In April, 1970, A. Austin Cheney purchased the Pine Vista Guernsey herd from the late Gilbert B. Farrington. This additional herd was the foundation of the present day herd.



Michael and Linda Hart of Berwick are at the halter of Falcons Choice Elda, who topped the recent Falcon Flight dispersal sale with a

\$2,250 price tag. The Harts, just entering the Guernsey business, also purchased the second and fourth high-selling animals.

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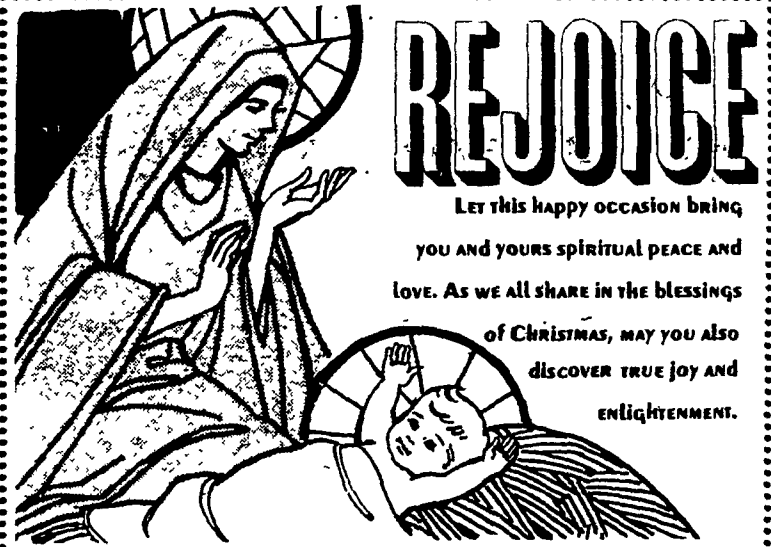
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Vineyard vision comes true for Cumberland man

BY BETH HEMMINGER
Staff Correspondent

SHIPPENSBURG — Wine Country.

When hearing those words most people envision the ancient vineyards of France and Italy, or the hilly terrain of northern California.

But Jene Cromer had another picture in his mind. He envisioned a vineyard on his farm of rolling hills and fertile terrain located 7 miles east of Shippensburg.

Just this month his ideas became a reality. In early December, Cromer opened the doors of the Quarry Hill Winery for business.

Cromer said his idea to open a winery developed about 10 years ago when he bought the farm on Quarry Hill Road in Cumberland County. The first summer he and his family lived on the farm he noticed all the wild blackberry's thriving, blossoming and bearing fruit. He hated to see the berries wasted, so he made a few bottles of wine.

Cromer said, "I enjoyed the first endeavor in wine-making, so I decided to plant an experimental plot of grapes to learn more about the juicy fruit."

"Growing grapes is not an overnight process," he proclaimed. It takes five years before any grape grower harvests a full crop from the vines. But

Cromer said those five years are crucial for grapes and their production for years to come.

After several successful years of growing grapes on the experimental plot, Cromer expanded the vineyard to four acres, adding four varieties - two French hybrids, the Chelois and Vidal; and two American hybrids, Delaware and Diamond. Cromer stated that the Diamond grape is the most recent addition to his vineyard and has not yet been harvested.

Cromer explained, "Grapes cannot be harvested from the vine until they are four to five years old." He continued that the first three years of growth are the most difficult for the vine and the grower. Weed control is the major problem during those years.

He noted that herbicides cannot be used in the early stages of growth, therefore, hand labor is the only alternative. During the second year, the vines are pruned. Cromer stated that the early pruning builds strong stalks adding stability and strength for years of service.

Growing grapes is like being a mother, said Cromer. You have to train them how to grow. Cromer trains his vines on a six-arm kniffin trellis.

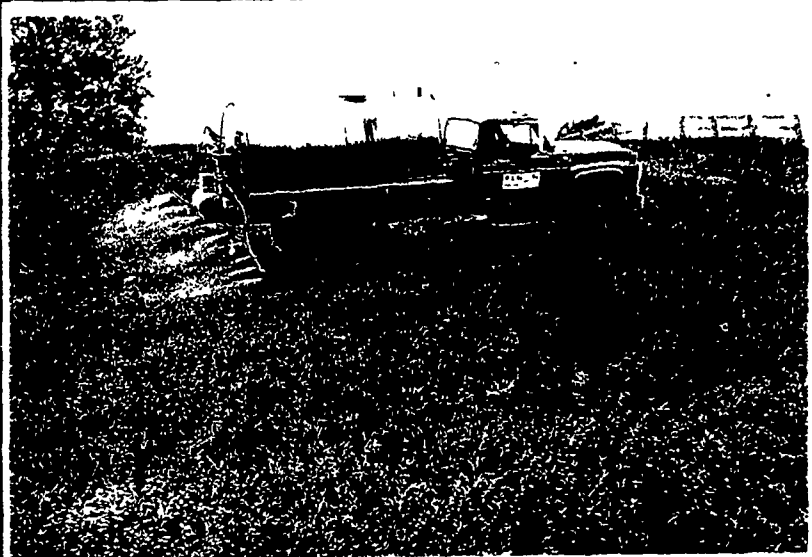
As the name implies, the six-arm kniffin is designed for the vines to

(Turn to Page B39)



Quarry Hill Winery owner Jene Cromer has turned a hobby into a full-time job. Here he makes an adjustment on his fermentation and holding tank — a remodeled, insulated milk tank. The juicer, on the right, stems and juices

the grapes in one process. This machine, an invention that took the fun out of stomping barefooted through the grapes, can hold up to a ton of grapes.



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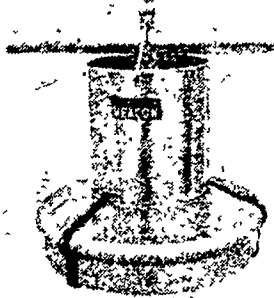
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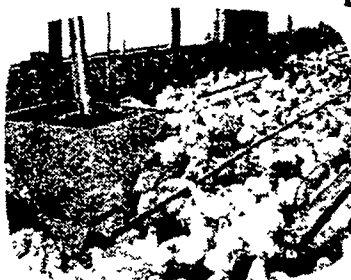
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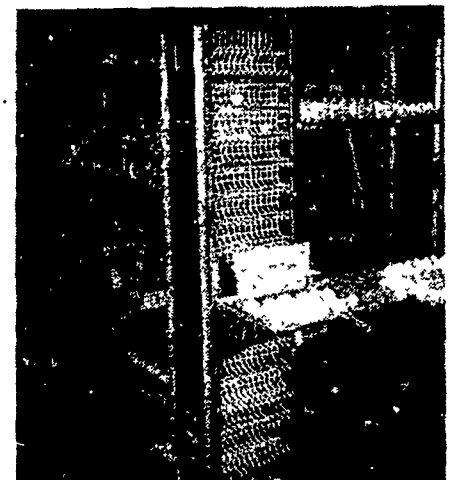
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Vineyard vision

(Continued from Page B38)

grow and spread on the six arms of which three arms are on one side of the main stalk and three on the other.

Also, during those early years of vine growth, the buds must be pinched off, or the vines will try to produce. If that is allowed remarked Cromer, the vines will be weakened and production hindered for several years.

Not until the fourth year will a grower allow the vines to produce a modest crop. Cromer added, "In the fifth year if the grapes have progressed normally, they will produce a bumper crop."

"If grape vines are cared for properly, they can and will produce 40 years or more. Many vineyards in France and Italy have been producing for 80 years," he said.

Tying the vines on the trellis is an important part of maintaining the vineyards. Cromer stated that tying, weeding and pruning are never-ending jobs and part of his continual maintenance program during the spring, summer and early fall.

Quarry Hill Vineyards are maintained and harvested by hand. Cromer noted that many vineyards in Europe still are harvested and cared for by manual labor. Machines damage the fruit too easily, therefore, hand labor

produces a higher quality product, he said.

Cromer harvested approximately about 4 tons off the four acres this year.

Once the grapes are harvested, the wine-making process begins. The grapes are stemmed and pressed into juice by machine, then transferred into a fermenting tank. As the fermentation progresses, Cromer tests the juices periodically for alcoholic content and other variables required by law. When fermentation stops, the sediment and dead yeast cells settle and are drained off. Then the wine becomes a clear white, burgundy or red beverage.

The grape grower commented, "Quarry Hill Winery would not have been possible without the 1968 Limited Winery Act which has permitted grape and fruit growers in the state to build a winery on their premises and sell up to 100,000 gallons in one year."

Recently, stated Cromer, an amendment was passed to that Act stating that any winery may have three extensions of premises. He explained, "This means that the owner of an existing winery may own three other premises and sell their product from those locations."

But, Cromer credited his successful first year to Carl Hasler, the winery expert from Penn



Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

Underpaid taxes are going to get expensive.

The new tax reform act of 1981 allows IRS to charge interest at prime rate for underpaid taxes. For 1981 underpaid taxes, that means a charge of 20 percent.

If you thought 12 percent was expensive what is your verdict now? How can you avoid this penalty?

File By March 1
As a farmer you can file your

State, the Cumberland County Extension Service and owners of vineyards in neighboring counties.

Cromer a retired federal employee, looked around his new taste-testing room at the winery and commented, "I really made a 360-degree turn from my other profession in the federal government. When I first started out I thought it was going to be a hobby, but now it has turned into a full-time job — making wine, maintenance of vineyards, tons of paper work. Nevertheless, it is mine and I enjoy it all."

income tax return by March 1, and pay all taxes due. A few reminders if you intend to do this:

✓ If you file anytime after February 20, send it in some manner, that gives you a dated receipt of mailing. If you don't and your return gets hung up in a center somewhere it will be late. If you have a dated receipt of mailing, you can send a copy (never the original) to the IRS proving you mailed it in by the deadline.

✓ Interest is not charged from the March 1 date to the date received. Anything received after March 1 is automatically pro-rated to the 4 quarters of the year. You would pay interest on 25 percent of the tax due from the previous April 15, on 25 percent of the tax due from June 15, on 25 percent of the tax due from September 15, and on 25 percent of the tax due from January 15, 1982.

✓ Allow yourself plenty of time to get your records into shape and get your tax return done. If you hire a tax practitioner to do the job, make sure he or she has the time and the necessary information to get it done.

Pay Quarterly Estimates

Most people other than farmers and fishermen, who do not have sufficient taxes withheld from salaries, must pay a quarterly estimate. This is a fairly simple procedure and consists of one of two things. Either estimating

fairly accurately (within 80 percent) the tax due or using the previous years tax paid and dividing it into four equal parts. The estimates are due on April 15, June 15, September 15, and January 15.

Farmers have the option to pay a quarterly estimate. This gives them up to April 15 to file their final tax return.

Some self-employed people with unequal or uncertain income such as farmers pay a small sum on the first 3 dates then a final larger payment on January 15.

Quarterly estimates should be filed with a 1040 ES. This is a simple form that merely requires your name, social security number, the amount sent in, and a date. No detail on how you figured it is required.

Estimate By January 15

If a farmer pays a final estimate by January 15, this will usually be sufficient with some 'ifs.' It is at least 80 percent of the final tax due or 100 percent of the previous years tax paid. Some reminders if you intend to do this

Send it in in some manner where you get a dated receipt. For the same reasons as those given previously.

Send it in with the final (Jan. 15) portion of the 1040 ES.

Do not send in the other 3 portions of the 1040 ES.

This will extend your final filing date to April 15.

Social Security Tax

Don't forget that the social security tax is part of your taxes due. It should be figured for any estimate payments made.



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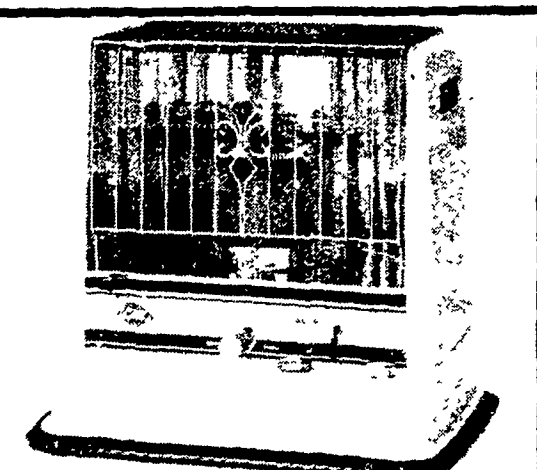


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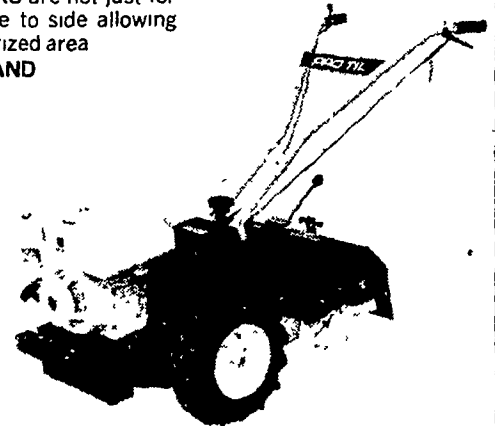
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Cold in Florida causes minor crop damage

WASHINGTON, D.C. — Cold temperatures caused only minor damage in Florida crop areas during the week of Dec. 6, according to a weekly report issued by the Joint Agricultural Weather Facility of the U.S. Departments of Commerce and Agriculture. Needed rain fell in southwestern Spain and limited areas of northwestern Africa where winter grain planting has been stalled due to dryness. Corn planting is more than 90 percent complete in South Africa's Maize Triangle.

Highlights of the report follow.

—United States. Very mild temperatures continued over the Rockies and western Great Plains, but unseasonable cold with sub-freezing temperatures spread over the Southeast states and into central Florida. In most cases, damage in Florida was confined to

leaf burn in the vegetable and citrus areas.

Limited precipitation permitted the harvest to progress in most cotton areas. Beneficial rain fell over much of the West Coast. Early season snow has provided welcome moisture over much of the Northeast, but halted all field work.

—USSR. Heavy precipitation spread from the northeast Ukraine into the western Urals and Volga-Vyatsk. Temperatures were below normal in the Northwest, near normal in the southeast and above normal in the east. Winter grains remain dormant in most areas and snow cover increased in northern and western areas.

—Europe. Some beneficial rains improved topsoil moisture and encouraged winter grain planting in southwestern Spain.

Widespread precipitation benefited winter grain areas of Europe. Below-normal temperatures over northern Europe accompanied an unusual snowstorm in southern England.

—Australia. Scattered light showers caused no problems for the wheat harvest which is underway in all major crop areas. The harvest was estimated at 30 percent complete in early December, the dry weather has favored a rapid harvest pace.

—South America. Mostly dry weather in Rio Grande do Sul aided late soybean plantings. Locally heavy rains may have been excessive for newly emerged crops in northern Parana. In Argentina, scattered showers further improved planting and early growth conditions for corn, soybeans and other crops in northern Buenos

Aires and La Pampa, Cordoba and southern Santa Fe. Dry weather in much of southern Buenos Aires and La Pampa aided maturation and harvesting of the wheat crop.

—Eastern Asia. Generally dry weather prevailed in most of the region aiding the late-rice harvest in South Coastal areas. Temperatures were slightly above normal.

—South Asia. A late season tropical storm dumped heavy rains on parts of West Bengal, Bangladesh and Assam. While the rain delayed completion of the winter rice harvest, the moisture helped relieve dry conditions which had prevailed since October.

—Northwestern Africa. Light

scattered showers fell on winter grain areas of western Morocco, but were inadequate to eliminate the dryness or permit extensive winter grain planting. Crop areas of western Algeria remained dry.

—South Africa. Widespread showers improved soil moisture supplies, in the Maize Triangle where corn planting is more than 90 percent complete, about a week behind last year. Moisture is sufficient in nearly all areas for emergence and early crop growth. As the crop advances through vegetative and reproductive development in January and February, timely rains will be needed to sustain good growth conditions.

Pa. Ayrshire breeders plan mid-winter meeting

LITITZ — Anyone with an interest in Ayrshire cattle, is invited to the mid-winter meeting of the Pennsylvania Ayrshire Breeders Association.

The meeting will be held during the Farm Show on Tuesday, January 12 in room C on the second floor of the Farm Show building at 2 p.m.

Among the highlights of the meeting will be the announcement

of the outstanding FFA Ayrshire award. Ayrshire breeders are also expected to discuss a possible Pennsylvania location for the 1986 National Meeting and Sale. Judges for the Pennsylvania All-American Dairy Show are also expected to be named at that time.

Pa. Ayrshire memberships are available for \$10 from Secretary Milt Brubaker, 595 Snyder Hill Road, Lititz, Pa. 17543.

SEASONS GREETINGS

"For God So Loved The World, That He Gave His Only Begotten Son, That Whosoever Believeth in Him Shall Not Perish, But Have Everlasting Life."

John 3:16

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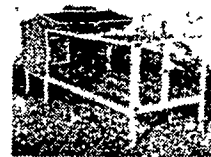
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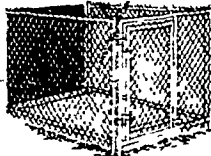
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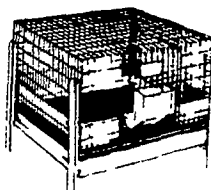
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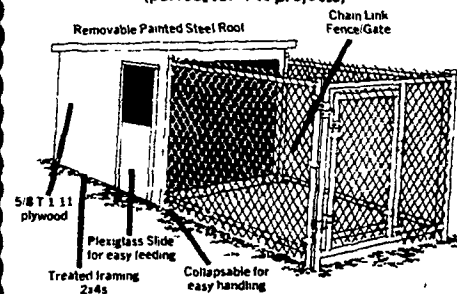


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Cambria Co. Extension plans financial workshop

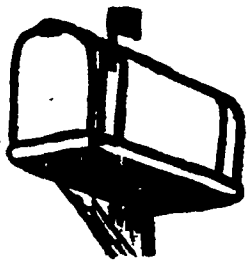
A farm financial workshop for January 5-6 is sponsored by the Cambria County Agricultural Extension Service.

The workshop will provide and in-depth educational program about agricultural financing and credit. The participants will have an opportunity to work out problems on net worth, cost of credit, debt carrying ability, cash flow analysis and a sound credit position.

Herb Terndrup, Cambria County Agricultural Extension Agent emphasized "that keeping farms and farmers economically sound depends on their ability to manage money and credit. Today's farm business requires a large investment. The operating capital needed to manage the business is large and costly. The ability of a farm to pay its debts is at a very critical stage especially for younger and newer farmers."

The workshop will bring together some outstanding people in the finance of agriculture in Cambria County. Representatives from the Extension Service, Farmers Home Administration, Farm Credit, U.S. National Bank, AgWay Inc., Hines Equipment, and the Pennsylvania Farmers Association will participate on the program.

Advance registration is necessary. Farmers may call the Extension office for more details at 814-472-7986.



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For Sale- Cockatiels, home raised, very young and trainable. \$50. Also used sm cages \$10-up 215-932-5057

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MAILBOX MARKET

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For Sale- 8 pt verticle shaft, manure pump, new 717-665-2962 Lanc Co

For Sale- 1971 Ski-Doo Snowmobile in good condition. 717-272-2253 after 4 p.m. Lebanon Co.

For Sale- 1 Black and 1 white cast iron cookstove, exc. cond. Chester Co. 215-593-5754.

For Sale- Irrigation pipe, 18 pcs. of 20" & 4" dia and 2 guns in good cond., Centre Co. 814-383-4464

For Sale- Elephant Garlic 17 bushels, large & mild, only \$1 per lb. Blair Co. 814-944-2882

For Sale- 2 grade cows, sired by Harrisburg Gay Ideal, both in second lac., also honey \$10/gallon. Lanc. Co. 717-548-3814.

For Sale- Used Warm Morning wood stove, 150. Jacob K. King, R1 Box 417, Willow Street, PA 17584

For Sale- 78 Dodge 4x4 pickup, 27,000 miles, real nice w/snow plow, deluxe package \$4995. Berks Co. 215-589-5613.

For Sale- 15-20 ton alfalfa hay, made young, leafy, no rain, \$100. Also Timothy & Clover \$80. Snyder Co. 717-837-0265.

For Sale- Guineas, hens & roosters, \$4 each, also JD FBA 13x7 grain drill, good cond., \$775. Luz. Co. 717-752-5391.

For Sale- 790 NH manure spreader, with tailgate, good cond. \$3495 or best offer. Lanc. Co. 717-684-6543

For Sale- 1961 Scout equipped w/Wis. 60.5 hsp. Bidwell snow blower, also power angle blade, best offer. Berks Co. 215-488-6642.

For Sale- DJx3D crankshaft, radiator, starter, parts for BD Oliver Cletrac. Wanted- Manure forks for Int. 2000. Cecil Co. 301-398-3805.

For Sale- 3 pt. hitch, 6' scraping blade, very good cond. \$200. Young, tender geese live or dressed 717-426-2296

For Sale- Warm Morning gas heater used, 8N Ford tractor, good cond., 14" white spoke wheels 717-665-5048 Lanc. Co

For Sale- Leghorn hens now laying large eggs. Ten hens or more \$.60 each. Northumberland Co. 717-672-9740.

For Sale- HG Cletrac tractor, row crop, 10" track, starter, lights, pulley, hillside hitch, cultivator, like new, Lehigh Co. 215-262-6478

For Sale- Reg Australian cattle dog, female pup, 8 wks. old, from exc working parents, \$100 609-758-7439

For Sale- Grey weanling Percheron stallion \$750, Percheron stallion \$1500 Leroy J Yoder, Rt 5 Box 704, Dover, Del. 19901

For Sale- Int. T5 crawler w/blade, in running cond Contact Joe E Bren neman, R1, Myersdale, Pa. 15552, Somerset Co.

For Sale- 15 HP air compressor, \$600, 7 HP Briggs engine, Smucker's Repair Shop, R1 Box 81, Strasburg, Pa. 17579

For Sale- Lister dsl 28 h p., also, vacuum pump, Surge Write Aaron K Smucker, R1, Box 188, Strasburg, Pa. 17579

For Sale- Choice of Reg Shropshire ylg rams and ewe lambs, D'Ambria and Sheppard bloodlines 717-949-3653 Leb Co

For Sale- Hay and straw, Cole planter for vegg, cantaloupes, water-melons. 717-776-7724

For Sale- Open buggy, hyd. brakes, good cond Benjamin R. King, RD #2 Box 54, Peach Bottom, Pa. 17563.

MAILBOX MARKET

For Sale- 207 Hawkbill tank spreader, like new \$2650, JD 9' haybine \$825 Northern Baltimore Co., MD 301-374-6024.

For Sale- Five year old riding and driving horse, Benjamin K. Swarey, Peach Bottom #1 Little Britain Rd., Pa. 17563

Wanted- PTO unit for NH 77 baler, will sell or trade Wisconsin VA engine, needs repairs, York Co. 717-993-6498

For Sale- 5 mixed Cocker puppies, 1 baby pony, red with white mane & tail, 717-872-7642.

For Sale- JD 4-btm trailing plow, 14" trip btm., nice shape. North'd Co. 717-286-1375.

For Sale- 22' cattle box, 2 side doors & back drop door, exc. cond 717-367-3202.

For Sale- Ubler model 600 gas powered feed cart 1000; Acorn cable cleaner w/20' elevator, motor & corner wheels. 717-324-3075

Wanted- Complete snow plow for Chevy C-30 truck, 215-277-7759.

Wanted- NH 202 manure spreader for parts, give price & cond. Levi Stoltzfus, 1900 Jackson School Road, Oxford, PA 19363.

For Sale- Purebred Germand Shepherd pups, 3-pure white; 4 black & silver. \$50. Lanc. Co. 717-656-6727.

For Sale- Unadilla silo 10'x30' hip roof, doweled, good cond., best offer. 717-374-9198

For Sale- 80 straws Chianina by Garibaldi, Cumberland Co. 717-243-1281.

For Sale- Tappan oil hot air furnace, good cond., 140,000 BTU, two concrete lintels 128". Lanc. Co. 717-687-6267 after 5.

For Sale- Old hewn logs and/or 2 story loghouse, 14'x26', oak veneer, IH Farmall Cub cultivator (belly) Adams Co. 717-334-7944.

For Sale- Twin Telescoping heavy duty dump truck cylinders w/pump & tank. Cumberland Co. 717-776-3305 after 3 p.m.

For Sale- Snowplow 8' Meyers \$450, Tree Digger for front end loader 24" \$250, Heater 50,000 BTU Berks Co. 215-326-3834

For Sale- JD model A tractor, new paint, one new rear tire \$525 Warren County, N.J. 201-496-4623.

For Sale- AC tractor dsl, 160 model w/bucket loader, wheel weights, mechanically very good, \$4500 607-458-5414 Addison, N.Y.

For Sale- Guinea pigs, Abner S Beiler, 370 Newport Rd., Rcnks, Pa 17572

For Sale- Sex-Sal pullets, 20 wks. old Jan 22nd. Henry K Beiler, RD1 Box 120, Christiana, Pa 17509.

For Sale- Wheat straw, bright, no rain \$55 per ton or \$1 50 per bale, 25 ton, 215-363-1800 Exton, Chester Co.

Ski Poconos Cabin rental, weekend, incl lift ticket, private slope, Camelback and Shawnee area. 609-424-3784.

For Sale- Amish storm-front carriage, roller bearings and hyd brakes. Amos Huyard, RD3 Box 453, New Holland, Pa, 17557

For Sale- Young Reg. Black Angus bulls, Rito & Colossal bloodlines, \$1200 each. 914-895-3902 or 203 743-9112 anytime.

For Sale- JD forage equipment, 2-214 wagons, Model 35 chopper, 2 heads, JD 4010 tractor. 703-662-1488 Frederick Co., Va

For Sale- Polled Hereford bull, 5 yrs. old, physically sound & gentle, popular breeding Adams Co. 717-334-7188 after 7 p.m

MAILBOX MARKET

For Sale- Mixed collie and Eskimo puppies, 5-6 wks old, Bennie E Kauffman, 252A Bell Rd., Christiana, Pa. 17059

For Sale- Firewood, mostly hickory \$60/cord White Eskimo pups. Ben S Stoltzfus, RD#2, Box 282, Nottingham, Pa 19362

For Sale 4 grade Holstein heifers close to freshen, also 1 family cow due w/second calf 215-562-3929 after 8 p.m

For Sale- Franklin stove with thermostat control & screen, good cond \$200. 215-256-8650 Mont. Co

For Sale- 1972 Dodge 1/2 ton pickup with cap in good cond., anytime 717-653-5990

For Sale- 1978 Kawasaki trail bike, 125cc in good cond., also Kerosene heater, in workable condition, anytime 717-653-5990

For Sale- Century 110V AC milk agitator motor off Majonier tank, Amos R. Stoltzfus, R3 Box 211, Mechanicsville, Md. 20659.

For Sale- Holstein heifers breeding age, also wanted: feeder pigs 717-354-0159 Lanc Co

Wanted- 3 pt. disc, air blast sprayer, PTO irrigation pump and irrigation pipe, 215-267-5444 Lanc Co.

For Sale- 11'x16" green & brown carpet, excellent condition, very clean. Rubber mat included, \$50. 717-354-9127.

For Sale- Rabbit hutch will hold ten does individual pens. Also 8" table saw with wood cabinet, Bucks Co. 215-249-3059.

Will trade 170 AC gas tractor (740 hrs.) and equipment for 30 hp range of same quality, Montg Co. 215-723-7158

For Sale- 18' refrigerated body, truck or storage, good shape, \$750. 16' van body for truck storage, Berks Co. 215-286-5311.

For Sale- NH 77 baler w/engine, NH 66 baler, \$300, Amos L. Stoltzfus, Box 452, Stumptown Rd., Bird-in-hand, Pa 17505.

For Sale- 9 feed pigs, psuedorabies, free, we also have potatoes, Samuel Riehl, 3841 Yost Rd, Pa 17529 Lanc Co

Wanted- Three point hitch plow, one bottom or two bottom Centre Co. 814-355-8327

For Sale- JD 246 2 row corn planter, 3 pt hitch with fertilizer attachments, good cond, \$365 Bucks Co. 215-257-8491

For Sale- 12 ft. booms for Stoltzfus lime spreader, like new, 215-286-9272 Lanc. Co

For Sale- 10 heavy young Angus-Charolais cows & heifers bred to Wye Angus bull 717-334-7993.

For Sale- 95 Angus feeder cattle 800-1000 lbs., acclimated on silage, must sell, water problems 717-626-4359 or 717-626-5152 Lanc. Co.

For Sale- 22 mo. old reg Polled Hereford bull plus young reg. cow w/heifer calf at side. Sus. Co. 717-965-2404.

For Sale- White enamel Columbia cook stove with water tank, also Glenwood coal stove, brown enamel. 717-284-4449

For Sale- Oats & corn, lg amounts, 215-381-3766 Monroe Co.

For Sale- Grade Hol heifer due Feb., Jet Stream daughter, also heat houser for AC-190 Juniata Co. 717-436-8707.

For Sale- 16' alum Harvester handler belt conveyor, used 4 times 717-533-4244 Dauphin Co.

For Sale- New TV antenna \$15, new mens hockey skates \$15, Sears 14" chain saw for parts. Adams Co. 717-334-0282.

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For Sale- 1066 Int cab, air, no t.a., 710 6 btm reset, 18' Bushog disc Hunt Co. 201-479-4807

For Sale- Country modern 3 br home, northeast Bradford County. Excellent hunting area, \$45,000 Extra land, pole barn. 717-265-8903.

Wanted- 2 church pews at least 6' long or 1 pew at 12' long, porcelain kitchen sink, Berks Co. 215-589-2001.

For Sale- 3 surge milkers and 5 sursinglers Henry B. Yoder, Kirkwood R1, Pa Lanc. Co. 17536.

For Sale- Reg. Jemini heifer, 4 mo. grandam Ex93, w/26,000 M Dam - first calf heifer by Betty Chief, Lanc. Co. 717-687-8893

For Sale- Very good axles and steel wheels for threshing machine, buffalo forge w/blower, excellent cond., 302-378-8454.

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For Sale- Locust posts Chris R Beiler, R3, Box 379, Quarryville, Pa 17566, first farm north of Nine Points, PA

For Sale- Purebred border collie pups, AKC poodle, beagles, 717-626-6516 Lanc Co

For Sale- Used Guild Guitar, good cond., solid maple Guitar, case and beginner books, sell for \$100. 717-627-8800.

For Sale- 1974 Plymouth Fury currently inspected, new mufflers, runs good could use body work, \$400, 717-865-2504 Leb Co

For Sale- Sears 32 in snowblower to fit Sears riding mower, very good cond., \$75 215-267-6174 Lanc. Co

For Sale- Reg. Hol. bull service age, sire by Jemini, dam by Rocket w/21,000 milk \$600 Berks Co. 215-562-4161.

For Sale- Buniero - 2 horse trailer, live in Air-lns. qts., sleeps 4 comf., air-ins. ice box large Tac, \$3000, Grant Co. 304-538-6375.

For Sale- Santa Gertrudis feeder cattle, bulls, steers and heifers, 500 lbs Franklin Co. 717-597-3364.

For Sale- JD 54 spreader with hydraulic endgate Wanted- Gooseneck cattle trailer, 301-371-7704 Fred Co., Md

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'Crop Doctors' are latest ag profession

URBANA, Ill. — The trend towards Integrated Pest Management programs has encouraged the establishment of a new profession, that of "crop doctor", says Ellery Knake, University of Illinois Extension agronomist.

These consultants, also referred to as IPM consultants, crop protection or crop production consultants,

usually supervise several scouts who inspect fields for insect, weed and disease problems. However, Knake points out that many consultants also include soil fertility, tillage and irrigation scheduling as well as pest control in their programs.

"The consultant doesn't make the decisions for the farmer, but gives the farmer a better basis

for his own decision making," Knake says.

To encourage and support these new professionals, universities are conducting training sessions in the classroom, laboratory and field, Knake says. Also, inter-disciplinary plant clinics are providing diagnostic services for insect, weed and herbicide problems.

These educational and service activities have been popular and demand for them is increasing, Knake adds.

"These programs help to assure accuracy and precision with treatments based on actual needs," Knake says. "This helps assure a productive agriculture and a quality environment."

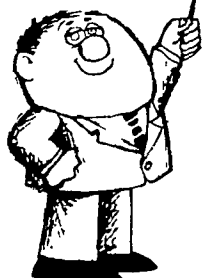
Susquehanna islands

open to deer hunting

HARRIBURG — The Pennsylvania Game Commission has announced that four islands on the Susquehanna River between Sunbury and the Clark's Ferry Bridge will be open to deer hunters during the late archery and flintlock muzzleloader seasons — December 26 through January 2.

The islands — Hoover's, Clemson's, Sweigart's, and Haldeman's — normally maintained by the Commission as waterfowl management areas, were opened to hunting after recent on-site inspections and aerial surveys revealed that deer populations have increased to the point where a harvest is both desirable and necessary.

Hunters who plan to ford the river in small craft are reminded that they are required to have personal flotation devices aboard their boats. Access to Haldeman's Island will be limited to foot traffic only. The bridge across the channel will be closed to motor vehicles and all islands will be patrolled by Game Commission officers to ensure compliance with late season regulations.



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REAL ESTATE AT 1:30 P.M.

Household Goods

Aqua G.E. Refrigerator with Bottom Freezer, like new; Roper Gas Range; Motorola Colored TV, floor model; Singer Sewing Machine; Sewing Cabinet; 5 pc. Bedroom Suite, Box Spring and Mattress; 6 pc. Bedroom Suite, Spring and Mattress; Sofa Bed; Electric Fan; Hoover Elec. Sweeper; Sener Maytag Washer; Laundry Cart & Tubs; Platform Rocker; Recliner Chair; Chairs; End Tables; Coffee Tables; Hassocks; Smoking Stand; Utility Cart; Metal Wardrobe; Piano Bench; Vanity Bench; Metal Cabinet; Folding Chairs; 9x12 Rug; Bedding; Dobbies; Floor Light; What Not Shelf; Cooking Utensils; Deep Fryer; Canner; Roasting Pans; Sunbeam Mix Master; Pans.

Antiques

2 GLASS CHANDELIERS WITH GLASS PRISMS; 2 PC. CORNER CUPBOARD, 16 LIGHTS; 2 Oak Round Extension Tables, each has 4 boards; 6 Fiddleback Chairs; Chairs; 6 Chairs, 75 yrs. old; Rocker; Blanket Chest; High Chair; Trunk; Clothes Tree; China Closet with drawer; 9 x 12 Homedade Braided Rug, good; PETER HARTING WOOLEN COVERLET, 1833; Hattie Brunner Post Card Pictures; Quilt; Quilt Tops; Pie Board; 65 PC. MOON & STAR; Salt Dips; Compote; Cake Stand, Vinegar Cruet; Coblets; Celery Stand; Bowls; Dishes; Carnival Glass; Stem Ware; Depression Glass; Pressed & Cut Glass Dishes, several patterns; Glass Pitcher and Tumbler Set, Press Glass; 12 Decorated China Soup Plates; Pewter Creamer; 2 Sets Dinner Dishes; Cake Stand; Trays; Coffee Grinder; Miniature Coal Oil Lights; Pottery; Cow Bell; Hand Bells; China Baking Bowls; Scales; Coal Oil Lights; Cookie Cutters; Cookie Sheets; Meat Saw; Jugs; Crocks; Homemade Soap; Daisy and Button Dresser Lights; 5 Watches; Jardinieres; Inside Shutters; Wicker Flower Stand; Old Cloth; Pump Trough and many other articles not mentioned.

Articles can only be viewed day of sale.
SALE AT 9:00 A.M.

Sale by
RUTH FASNACHT

Ex. of William Moyer Estate

Lawrence Stengel, Atty.
Frank & Paul Snyder, Aucts.
859-2688 - 733-7052

Wolgemuth & Diffenderfer, Clerks
CASH OR CERTIFIED CHECK

In case of bad weather listen to WGSA or
WIOV, Ephrata for details.

Lunch next door by Winters Sandwich Shop

SPECIAL HORSE SALE DRAFT HORSES, MULES & DRIVING HORSES

FRIDAY, JANUARY 8th

Tack 9:00 A.M.

Sale 10:00 A.M.

AT NEW HOLLAND
SALES STABLES, INC.

12 Miles East of Lancaster, Pa. just off Rt. 23,
New Holland, Pa.



2 Loads Draft Horses, Mules and Driving Horses consigned by Ward Wright.

1 Load Draft and Driving Horses consigned by Bud Leonard.

1 Load Standardbred Driving Horses consigned by Jonas Beiler.

1 Load Saddlebred Driving Horses consigned by Don Boring.

1 Load Standardbred Driving Horses consigned by Clayton Waterbury.

1 Load Standardbred Driving Horses consigned by Reuben G. Stoltzfus.

1 Load Saddlebred Driving Horses consigned by Ben King.

1 Load Draft & Driving Horses consigned by Chap Stealman.

1 Load Draft Horses consigned by Christ Smucker.

1 load Draft Horses and Mules consigned by Norman Kolb.

1 load of Draft Horses consigned by Steve Meadows.

Plus many more consignments.

For more information contact:

Abe Diefenbach, Mgr.

Norman Kolb

717-354-4341

717-397-5538

Next Horse Sale Fri. Eve., May 8, 1981

PUBLIC SALE

**CAR, TRUCK, SHOP TOOLS,
GARDEN & LAWN TOOLS, ETC., ETC.**
FRIDAY, JANUARY 1, 1982

At 10:00 A.M.

Located in the Village of Reinholds at
Creamery Road and Lincoln Avenue,
Lanc. Co., Pa.

1965 Dodge 2 Door Sedan, 41,749 miles, in extra good condition.

1953 Dodge Pickup. Car and truck will be sold at 1:00 P.M.

Turf King 8 H.P. Riding Mower; Roto Snowblower; Hahn Self Propelled Lawn Mower; Motot Power Mower; Roto Hoe Tiller with Sprayer and Mower Attach.; Black and Decker Lawn Trimmer; Craftsman Band Saw with motor and stand; Grinder with motor; Grinder and Motor with Brushes; Electric Sander; Electric Drills; Electric Router; Jig Saw; Metal Stand for Saw; Motor and Pump; Grind Stone and Motor; Wheelbarrow; Water Pump; Electric Motor; 3 Burner Coal Oil Stove; Iron Pump Trough; 5 Iron Hog Troughs.

2 - 3 Burner Gas Hot Plates; Shop Vacuum; Heatrola; Porch Rockers; Metal Chairs; Buffet; Nail Rack; Tool Boxes; Clamps; Buck Saw; Cabinets; Stove Pipe; 5 Gal. Buckets; Tables; Floor Scrapers; Peach Baskets; Step Ladder; Step Stool; Milk Cans; Car Jack; Holstein Tire Pump; some Lumber; Sash; Sprayer; Chains; Belts; Garbage Cans; Tubs; Chicken Feeder and Fountains; Wash Bowls; Cement Blocks; Bench; Dolly; Doors; Steel Drums; Wire; Posts; Gate; Oil Cans; 3 Scythes; Duster; Feed Scoops.

Variety of Tools

Pipe Vise; Allen Wrenches; Pipe Wrenches; Pipe Threader; Saws; Hammers; Monkey Wrenches; Wooden Kegs; Shovels; Rakes; Forks; Picks; Nails and Bolts; Garden Hose; Turn Buckles; Truck Parts; Fog Lights; Licence Plates; Hip Boots; Crocks; Jugs; Jars.

12 pieces, looks like Marble? Hand Cider Press; 3 & 6 Compartment Rabbit Cages; 8'x8' Tool Shed; 12'x12' Brooder House and many other articles not mentioned. Articles can only be viewed day of sale.

Sale at 10:00 A.M.

Sale by

RUTH FASNACHT

Ex. of William Moyer Estate

Lawrence Stengel, Atty.
Frank & Paul Snyder, Aucts.
859-2668 - 733-7052

Wolgemuth & Diffenderfer, Clerks
CASH OR CERTIFIED CHECK

Refreshments



KEISTER'S MIDDLEBURG AUCTION SALES, INC.
Rt. 522 - RD 3, Middleburg, Pa.

PUBLIC SALE

**158 ACRE DAIRY FARM,
BUTCHER EQUIPMENT, HOUSEHOLD
GOODS, ANTIQUES,
GUNS, TOOLS, TRUCK**
NEW YEAR'S DAY
FRIDAY, JANUARY 1, 1982

at 9:00 A.M.

Located 1 mile off of Route 143 on
Balthaser Road between Lenhartsville
and Virginville, Berks Co., Pa. Watch for
sale signs.

Real Estate consists of a 158 acre dairy farm with approx. 117 acres tillable, 8 acres woodland, 20 acres meadow, windmill pump, pond, and stream. Thereon is a 60'x88' bank barn with room for 39 stanchions, a 12' x 50' cement silo, a 24 1/2' x 48' 6-bay garage, a lg. combination crib & storage shed, other out buildings, and a 2 1/2 story stone & frame home with 4 rooms on first floor and 4 bedrooms & bath on second floor. Real Estate inspection by appointment, call (215) 562-8258. Real Estate will be offered at 12:00 Noon. Terms are 10% day of sale, balance on or before 90 days. Blizzard date Jan. 9, 1982.

Lg. jelly cupboard, dry sink, 5-legged walnut drop leaf table, wood chest, 2 dove tailed blanket chests (1 w/bottom drawers), sq. oak table, saddler's bench, flat top trunks, rope bed, 3-pc. bedroom suite, oak chest of drawers w/mirror, 2 Empire chest of drawers, wooden double wardrobe, round table, desk, sq. claw ft. table, asst. of chairs & rockers, wooden high chair, Victor victrola, 78 records, floor radios, Victorian wall mirror, Becker Bros. New York piano & bench, metal utility cabinet, pie safe, benches, floor & table lamps, Monarch wood stove, Sear's 30 cu. ft. upright freezer, wringer washers, books, dishes, picture frames, old Bibles, flat irons, baskets, Lionel train set, apple peeler, wooden & glass butter churns, copper kettle, wash boiler, milk cans, glass insulators, broad axe, agateware, sm. iron kettles, vinegar barrels, berry boxes & crates, canning jars, crocks & jugs, ladles, 3 butcher kettles, sausage press, meat grinder, butcher benches, antique straw cutter, hay knife, potato & hand plow, buck saw, sm. jointer, sm. elec. motors, wooden block planes, hand & garden tools, maple lumber & others, 12 ga. model 897 Winchester pump, Remington model 12 22 pump w/octagon barrel, 1971 350 3-speed Chevy 1 ton pickup truck, and many other items.

Terms: Cash or approved Pa. check, day of sale.

Sale For:

WARREN & CLEO BOYER

Auctioneer:

Dennis F. Wagner

Phone (215) 562-7445

Refreshments Available

Not Responsible For Accidents



From all of us to all of you, we sincerely appreciate all the kind help and business you have given us this past year. We here at Shady Lane Dairy Sales wish every one a

Merry Christmas
and
Happy New Year

May the peace and brotherhood of the season extend throughout the New Year.

Sincerely

Glenn & Doris Fite David & Carol Fite
Matthew & Kathleen Fite

Wm. F. COMLY & SON, INC.
Auctioneers
1825 E. BOSTON AVE., PHILA., PA. (215) 634-2600

**STOVES, FIREPLACES, HEATERS
FIREPLACE TOOLSETS, EQUIPMENT
& ACCESS, BRASS & ORNAMENTAL
WALL DECOR**

**TUESDAY, JANUARY 5, 1982
10 A.M.**

**ON PREMISES
DREIFUSS & COMPANY, INC.
CADWALADER & JENKINTOWN RDS.
ELKINS PARK, PA.
WHOLESALE INVENTORY
APPROXIMATELY \$217,400.00**

NOTE: The Dreifuss & Co. Building Has Been Sold And They Will Be Located In Their New & Larger Showroom & Warehouse Location. Rather Than Undergo The Cost Of Moving, All Of The Remaining Inventory Of This Large, Well-Stocked Store Will Be Sold At Public Auction Together With Some Additional Quantities Of Stove & Fireplace Toolsets From The Warehouse Location. An Exceptionally Fine Stock Of Fireplace Equipment and Accessories, Custom & Ornamental Brass Hardware, Wall Decor and Decorative Items. Clean Saleable Stock Comprising

**C.I. STOVES, FIREPLACES,
FURNACES, HEATERS**

(253) C.I. Franklin Stoves, 26" & 30", (86) Morso C.I. Stoves, (53) Airtight C.I. Stoves & Box Heaters, (62) Cottage Stoves, Malm Carousel Fireplace, Viking & Lincoln C.I. Stoves, Readybuilt Stone & Brick Decorator Fireplaces, Gas & Electric Heater Logs, Vulcan Fireplace Heating Grates, Morton Hearth Furnaces, Fireplace inserts, Mantel Tops, Gas Barbecue Grills.

**FIREPLACE TOOLSETS, EQUIPMENT
& ACCESSORIES**

(750) Asst. Brass & Black Fireplace Toolsets, (421) Brass Hearth Rails, 22" to 30", (479) Asst. Bean Tops, Large Quan. Fireplace Accessories comprising: Shovels, Pokers, Log Lifters, Hearth Brooms, Fire Screens & Windows, Glass Fire Screen Door, Bellows, Corn Poppers, Log Baskets & Carriers, Grates & Grate Holders, Grills, Fire Starter Blocks, Matches, Hearth Sealer, 500 Bxs. Cannel Fireplace Coal, Fire Color Crystals, Barbecue Accessories, Etc.

**ORNAMENTAL & BRASS WALL DECOR,
B.R. ACCESS.**

Qua. Ornamental & Brass Wall Decor comprising: Wall Mirrors, Plaques, Pictures, Sconces, Wall & Switch Plates, Door Pulls, Hooks, Wind Chimes, Latches, Chains, Bathroom Fixtures, Towel Bars & Rings, Toilet Tissue Caddy, Soap Dishes, Wall Shelves, Shelf Brackets, Sin. Brass & Black Pots, Asst. Brass Items, Hardware, Desks, Chairs, File Cabinets.

INSPECTION: MONDAY, JAN. 4th -
9 A.M. to 4 P.M.

TERMS: CASH OR CERTIFIED CHECK -
25% DEPOSIT REQ.

Research probes for answers to wet corn

ATLANTA, Ga. — Excessive moisture in hybrid corn at harvest is a problem for growers in all areas of the country. A new plant breeding procedure for im-

proving the rate of moisture loss from the ears of early corn has been developed and tested at North Dakota State University, according to Harold Cross, NDSU agronomist.

Cross reported on the new procedure at the 73rd annual meeting of the American Society of Agronomy here.

"We've known for a long time that there are differences among hybrids," Cross said. "Some lose moisture very rapidly once they are mature while others stay wet for a greater length of time."

DECEMBER

MON DEC 28 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

Ideally, the corn should grow as long as possible to produce maximum yield and then dry down fast in time for harvest, he said. The problem is if it grows too long it becomes very wet and does not dry down fast enough. If the corn is not dry enough at harvest,

TUES DEC. 29 - 11 A.M.
Real Estate at 1 p.m. Sale of 12 Acre Farm, Lumber and Misc. Building Items Located along Spring Hollow Road midway between Terre Hill and Churchtown PA. Sale by Paul and Verna Sauder. Nevin Martin and Lewis Giff, Auctioneers.

the combine will damage the seed coat, causing the kernel to deteriorate rapidly.

"We're selecting for a strain with the lowest ear moisture at harvest," Cross said. Although strains with this characteristic do have slightly reduced yields, he said he hopes to perfect the procedure later taking yield into consideration.

The procedure involves picking the ear of the corn when it is almost mature and still wet, and weighing it back each day to monitor how fast it loses moisture, he said.

Over a period of three years, five groups of corn were developed and tested indoors and later in the field. The original group was monitored the first year for moisture content and dry-down rate, Cross said. The strains that lost moisture fastest were selected and mixed together to increase the frequency of the gene for that trait. The same was done with the strains that lost moisture at the slowest rate. The next year the procedure was repeated.

Although the slow-drying group dried down slower, after one year of selection it averaged 4 percent lower moisture at harvest than the original group, he said. This was due to the fact that it had the lowest moisture to start with (at maturity). The second year of selection decreased the moisture of the slow-drying group another 4 percent, a total decrease in moisture from 32 to 24 percent.

"In terms of making progress from selection, it is very unusual that we were able to change something that drastically in such a short time," Cross said. "We're optimistic that we can simplify the procedure to come up with lower ear moisture at harvest, and later possibly modify it to increase the yield also."

PUBLIC SALE OF 84 ACRE DAIRY FARM HOUSEHOLD GOODS, ANTIQUES SATURDAY, JANUARY 16, 1982 10:00 A.M.

Located along Red Well Road, 5 miles southeast of New Holland. 3 miles east of Intercourse, Leacock Twp., Lancaster Co., PA.

DIRECTIONS: From New Holland take Brimmer Ave. (New Holland Rd.) south 3 1/2 miles to Peters Rd., turn left, then right onto Red Well Rd., first farm on left. Near Pequea Menno Church. Watch for yellow sale signs.

A certain tract of land consisting of 84 Acre Level Limestone Dairy Farm

More or less, with app. one mile of road frontage. Erected thereon a 2 1/2 story 15 room Double Stone-Block Farm House 2 1/2 baths, 2 laundries, porch. Two Bay Frame Bank Barn with 30 stanchions, large box stall, attached a cement block milk house, 20'x50' loafing shed, corn shed and tobacco shed with dampening cellar and stripping room, 10'x50' poured cement silo, 6'x28'x75' trench silo, two round wire corn cribs - 1100 bu. and 1600 bu., 32'x60' block chicken house, 4 car pole shed type garage, small shop. Well with pressure system. Large cistern.

OPEN HOUSE: Saturdays, January 2 - 9, 12:00 noon to 4:00 P.M.

TERMS: 10% down day of sale, balance on or before April 1, 1982

REAL ESTATE AT 1:00 P.M. ANTIQUES - HOUSEHOLD GOODS

Bowers Sideboard; 3 pc. Oak Roll Top Bedroom Suite with S-M; 6 pc. Waterfall Bedroom Suite with S-M; Single Bed with S-M; Very Old Large Painted Wardrobe with Drawers; Two Blanket Chests, one mark L.H.N. 1905, other has two drawers; Big Boy Chest of Drawers with Glass Knobs; Double Door Cedar Wardrobe; 6 Dec. Living Room Chairs; several Old Rockers; 6 Cane Seated Chairs, near repair; Wooden High Chair; 10 Board Dropleaf Ex. Table; Oak Ex. Table, needs repair; Old Slant Top Desk with Secret Drawer; Flour Chest; Dough Board; Hotpoint Refrigerator; Coleman Space Heater; Caloric 4 Burner Gas Range; Frigidaire 20 cu. ft. Freezer; Singer Electric Sewing Machine with cabinet; Maytag Wringer Washer; Electrolux Sweeper, like new; 2 - Wooden Clothes Trees; Old Parlor Stand; Mantel Clock; Antique Wall Medicine Cabinet with Mirror and Towel Rack; Kitchen Cabinet; Old Steel Meat Scales, good condition; Wooden Apple Butter Surrer; Kerosene Lamps.

Wooden Clothes Dryer; Rug Frame; Wooden View Master and Pictures; Coal Bucket; Lawn Chairs; 3 - Porch Benches; Electric Heater; Small Table with Lamp; Bookcase; Polelight; Floor Lamp; F.M. Wireless Intercom, like new; Toaster; Mixer; 2 - Sets of Silverware; Stainless Steel and Copper-Bottom Cookware; Pyrexware; Ironstone Gravy Boats and Platters; Cut Glass Dishes and Pitchers; Dec. Veg. Dishes; Pink Glasses; Vases; Relish and Candy Dishes; Old 7 pc. Hand-painted Pitcher Set; Crocks; Roasters; Misc. Kitchenware; Suitcase; Throw Rugs; mottoes; Misc. Bedding and Linens; Misc. Hand Tools; Shoe Lathe; Egg Baskets; OXEN STEEL SHOE: plus more things not listed.

BOOKS: History of New Holland 1728-1928 by M.G. Weaver; Martin M. Sauder, Daniel S. Burkholder, Joseph Hershey, Mose Horning, Michael S. Wenger, Nolts', Glause Zimmerman Family Books.

Come early and enjoy the day with us. Sale held in tent if necessary.

Sale for
MAHLON M. WEAVER EST.
717-354-0416

Michael N. Weaver, Franklin N. Weaver, Execs.

Atty. Thomas H. Wentz
Aucts. Nevin Z. Martin, Lewis S. Groff
Clerks Martins

Lunch Served
No Out of State Checks
Not Responsible for Accidents

PUBLIC AUCTION

TRUCKS - CONSTRUCTION TOOLS - OFFICE FURNISHINGS

The undersigned, will sell at public auction, located at Rear 546 West King Street, York, Pa. (at Cedar Street) on
**SATURDAY, JANUARY 2
10:00 A.M.**

TRUCKS - 1977 GMC Sierra 15 1/2 ton pick-up V8, PB-PS-R&H - auto trans.; 1976 Chev. C10 1/2 ton pick-up V8, PB-PS - air cond. - auto trans. and cap; DeWalt Heavy Duty 14" radial arm saw - 3 H.P. with side tables; Delta 6" jointer w/heavy duty 1/4 H.P. motor; Delta shaper w/1/2 H.P. motor; Master B-320, 320,000 BTU portable space heater; Porta-brake 12 ft. metal brack; Amma power actuated tool; Hilti power tool set; Drive-it power tool; 2 new Rockwell electric screw guns; 2 B&D & 2 Milwaukee electric screw guns; B&D industrial grinder; B & D 3/8" H.D. drill; Black & Decker 1/2" electric impact wrench w/90 degree angle; Stow concrete grinder; Wen 1/2" hammer drill; Union Carbide acetylene gauges & hose; Tank dolly; Speedway 1/4 h.p. bench grinder; B&D 1/2" H.D. electric drill; Relvolve 40-hole nail or hardware revolving bin; Dietzgen builders level w/tripod; Dietzgen complete transit set w/case; target sticks; one-ton chain hoist; Wright 3 ton chain come-along; Whitney portable steel punch (to 1/4"); Duff Norton 50 ton jack; building screw jacks; 10 sections metal scaffolding w/braces; 2 Simplex 10 ton 22" jacks; approx. 30 adj. mechanical shores; Stanley H.D. sabre saw; Skil 7 1/4" skil saw; homemade 1/4 h.p. drum sander; lot masonry bits; tubing & conduit benders; 48" bolt cutters; 36" Rigid pipe wrench & others; 6 & 8 ft. clamps; new cartons nails; lot all sizes nails; lot all kinds shop & building hardware; fasteners; pants; barrel tilter; lot concrete working tools; forks; shovels; digging irons; diggers; water hose; H.D. and regular extension cords; dollies; ladder jacks; aluminum bull float; large wood tool chest; hanging scales; slaters tools; drywall taper; nail puller; air cond.; sump pump; heavy rope; cable; 2 - 10 ft. and 2 - 8 ft. wood stepladders; 2 Jackson metal rubber tire wheelbarrows; gas heater; slate cutter; 36 ft. wood shifting ladder; trestles; 4 ft. wood stepladder; aluminum windows; misc. ceiling tile; insulation; cabinet sections; sink; new roof hatch; wood doors; misc. lumber; new stainless steel railing; 1969 Honda 50 - 600 actual miles w/electric start; v/n large walnut office desk; walnut executive desk chair; pr. walnut office chairs; unusual oak 28 drawer file cabinet; like new metal draftsman desk; Cole drafting chair; ASE metal secretary typewriter desk; ASE metal conference desk; ASE 4 drawer locking file cabinet; Filex 5 drawer file; 2 - 4 drawer metal files; T squares; paper cutter; Victor auto. printing calculator; office safe 32" high x 25" deep x 22" wide; Royal 212 electronic calculator; cherry end table; Olivetti-Editor 2 legal size electric typewriters; misc. small office accessories; blackboard slate; many other items too numerous to mention. Lot nice items in sale. Plan to attend.

TERMS - CASH
Refreshment Rights Reserved

Owner,
FRANK CLING

C. David Redding, Auctioneer
R.D. #6 Gettysburg
Ph: 717-334-6941



**GIGANTIC
SELECTION**
in
Lancaster
Farming's
CLASSIFIEDS

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

TUES. DEC. 29 - 12:30
Dairy Cow Sale including
2 loads fancy Reg. and
Grade Cows and Heifers
from New England States
and Canada plus some out
of farm dispersals to be
held at Smoketown Quali-
ty Dairy Sales Co., Rt.
340, 5 miles East of Lan-
caster, 5-miles West of In-
tercourse. Sale by Gordon
& Helen Fritz, Carl Diller
and Paul Snyder, Auc-
tioneers

WED. DEC. 30 - 1 P.M.
Public Sale of Cattle.
Located at Belleville
Livestock Market, Inc.

JANUARY

FRI. JAN. 1 - 9 A.M. Public
Sale of Farm, Butcher
Equipment, Household
Goods, Antiques, Guns,
Tools and Truck. Located
1 mi. off Rt. 143 on
Balthaser Rd. between
Lenhartsville and
Virginville, Berks Co., PA.
Sale for Warren and Cleo
Boyer Dennis F. Wagner,
Auctioneer

FRI. JAN. 1 - 10 A.M.
Public Auction of 1965
Dodge auto, 1953 Dodge
pickup, Lawn and Garden
Tools and Shop Tools by
Ruth Fasnacht, Ex. of the
Wm. Moyer Estate located
in the village of Reinholds
at Creamery Road and
Lincoln Ave., Lancaster
County, PA. Frank and
Paul Snyder, Auctioneers

JAN. 1 9:00 A.M.
Farmersville Auction in
Farmersville, 3 mi. East of
Brownstown, Lancaster
County, Pa. John J. Rutt,
Auctioneer

FRI. JAN. 1 - 10 A.M.
Public Sale of Car, Truck,
Shop Tools, Garden and
Lawn Tools and Etc.
Located in the Village of
Reinholds at Creamery
Road and Lincoln Ave.,
Lancaster County, PA.
Sale by Ruth Fasnacht,
Frank and Paul Snyder,
Auctioneers

FRI. JAN. 1 - 10:30 A.M.
Public Sale of Antiques,
Modern Collectibles and
Primitives Located mid-
way between Carlisle and
Shippensburg, PA on U.S.
11. Carol Burruss, Auc-
tioneer

SAT. JAN. 2 - 9 A.M.
Public Auction of Real
Estate, Household Goods
and Antiques by Ruth
Fasnacht, Ex. of the Wm.
Moyer Estate located in
the village of Reinholds on
Main St., Lancaster Coun-
ty, Pa. Frank and Paul
Snyder, Auctioneer

SAT. JAN. 2 - 2 P.M.
Public Sale of Farm
Located 2 miles north of
Manheim along Rt. 72,
Rapho Twp., Lancaster
Co., PA. Sale by Michael
Gleiberman Rufus Geib,
Auctioneer

SAT. JAN. 2 - 9:30 A.M.
Public Sale of Tractors
Located from I-81 south of
Martinsburg, WV, take ex-
it #5 (Inwood, WV) Rt. 51
east approx. 3 1/2 mi. to
Larry's Market (formerly
Haines') Turn right, 2 of a
mi. to sale Or from
Charles Town, WV, take
Rt. 51 west, go approx. 8
mi. to Larry's Market,
turn left, 2 of a mi. to
sale. Miller and Bohrer,
Auctioneers

SAT. JAN. 2 - 9 A.M.
Public Sale of Real Estate,
Household Goods and An-
tiques Located in the
Village of Reinholds on
Main St., Lanc. Co., PA.
Ruth Fasnacht, Ex. Frank
and Paul Snyder, Auc-
tioneers.

SAT. JAN. 2 - 10 A.M.
Public Sale of Trucks,
Construction Tools and
Office Furnishings
Located at Rear 546 West
King St., York, PA (at
Cedar St.) Frank Cling,
Owner. C. David Redding,
Auctioneer.

SAT. JAN. 2 - 10 A.M. Ed-
wards Farm Complete
Dispersal. Located at
Prattsburg NY. Mr. and

Mrs. Lawrence
Owners' Pirrung Auc-
tioneers, Inc.
SAT. JAN. 2 - 10 A.M.
Complete Farm Dispersal.
Located on Main St. (Rt.
53) in Prattsburg, 11 mi.
south of Naples or 11 mi.
north of Rt. 17 exit at
Kanona. Mr. and Mrs.
Lawrence Edwards,
Owners. Pirrung Auc-
tioneers Inc.



From the staff at
Jack Wood's Livestock & Auction Service
Cincinnati, NY 13040

PUBLIC SALE

of 67 ACRE FARM
SATURDAY, JANUARY 2
at 2 P.M.

Located 2 miles North of Manheim
along Rt. 72; Rapho Twp., Lancaster Co.,
PA.

67 ACRES, more or less, w/approx. 45 acres
tillable w/stream and pond. FRAME BANK
BARN (needs some repairs), silo, and another
building w/3 car Garage below.

2 1/2 STORY BRICK DWELLING containing 8
rooms (4 rooms w/laundry attached on first
floor & 4 rooms on second floor). Oil-fired hot-
water heat.

Good location off the main road!

Persons wishing to view property may do so
Saturday, Dec. 12, from 12-4 P.M. or by calling
299-0421 or 665-4136 for an appointment.

Sale by:

MICHAEL GLEIBERMAN
J. David Young, Attorney

Auctioneer:
Rufus Geib (665-4136)

Terms: 10% down day of sale, Financing
Available!

NEW YEARS DAY SALE POTTIES AUCTION

JANUARY 1, 1982

Time: 10:30 A.M.

Located midway between Carlisle and
Shippensburg Pa on U.S. 11.

ANTIQUES MODERN COLLECTIBLES
PRIMITIVES

House lot from East High St., Carlisle
plus other consigned lots.

2 pc. walnut dutch cupboard, small china,
walnut hall rack, top of corner cupboard, round
oak stand with glass ball and claw feet, ornate
parlor stove, cook stove - signed Carlisle,
Cumb. Co. 1909, walnut Victorian high bed.
Victorian bookcase w/drawer, 3 wash stands,
walnut china - Chippendale feet, oak dresser,
small walnut blanket chest, mahogany chest
and dresser, 4 Burl walnut chairs, record
cabinet, old plank rocker, bamboo desk and
chair, old Virginia style love seat, stands, odd
chairs, new blanket chest w/3 drawers, walnut
marble top dresser and wash stand, flour bin
small copper apple butter kettle - dovetailed,
picture frames, furniture in rough - dry sink,
wash stand other pieces, odd chairs and
rockers, some modern furniture, old and new
clocks, R S Prussia red star, chocolate set,
depression glass, pressed, gold band, old RCA
dog, brass trumpet, statues, carnival, iron
stone salt and peppers, ruby, cranberry, 7 pc.
pitcher set, silver set. Quilts, afghans, old bask-
ets, lamps A lot of old tools and primitive
items, ox yoke, 1 1/2 HP gas engine. This is just a
small listing.

Terms: Cash or Travelers Check
Carol Burruss Auctioneer
Rife and Warren Clerks

MON. JAN. 4 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

TUES. JAN. 5 - 11 A.M.
Public Sale of Cattle.
Located in Blair County
between Martinsburg and
Roaring Spring, off Route
164 at East Sharpsburg,
above the red brick

church. Harry L. and
Velma Brubaker, Owners.
Klings Auction Service.
TUES. JAN. 5 - 10 A.M.
Public Sale of Stoves,
Fireplaces and Heaters.

Located at Dreituss and
Company, Inc., Cad-
walader and Jenkintown,
Rds., Elkins Park, PA.
Wm. F. Comly and Son,
Inc., Auctioneer.

Merry Christmas and a Happy New Year to all.

Thank you for making 1981 a
pleasant year. A special thank you
to our Clients.



...we would that
ye prosper and
be in good
health even as your
soul prospereth.

III John 2

Steve and Anna Petersheim

John Steve Jr. Sam
Naomi Ruth Orpha

HOLSTEINS AT AUCTION KINGLEA PRODUCTION SALE

At the farm located on Maryland's
Eastern Shore, south of Church Hill, 10
miles south of Chestertown and 9 miles
north of Centerville, in Queen Anne's
Co., Md. Turn west on Clopper Hill Rd. off
Route 213 at the Drive-In - farm is 1 1/2
miles on left.

WEDNESDAY, JANUARY 6

11:00 A.M.

67 REGISTERED HOLSTEINS 67

56 Cows - 10 Bred Heifers

1 Service Age Bull

Tested for Interstate Shipment
Checked for Pregnancy

Milk - Milk - Milk

Cows Selling	Dam's Records
5 from 23 000M to 25 640M	7 from 25 000M to 31 760M
9 from 20 000M to 23 000M	23 from 20 000M to 25 000M
24 from 15 000M to 20 000M	4 from 1000F to 1156F
17 from 700F to 956F	38 from 700F to 958F

A number of cows have milked over 100 lbs.
Some should be at 100 lbs. or over on sale day.

28 VG and GP cows sell - Many not scored.
11 Females and a bull from EX dams - 16 from
VG dams.

Over one-half of those selling are fresh or due
from Nov. through Feb.

20 bred back for summer or early fall.

A young group - 35 milking with 1st and 2nd
calves, and most of the bred heifers will be
fresh or close by sale day.

Pleasing Pedigrees

SIREs include Astronaut, Elevation, Jet Stream,
Mars, Conductor, Jerry, Glen Valley Star, Kinglea
Total, Betty Chief, Arlinda Commander, Willow F
Ivanhoe Rockman, Barrett-Ranch Ivan Rockman,
Heindel KC Kirk Jupiter, Hilmar Performer
Shiawanna SERVICE SIREs include Mars,
Sexation, Falcon, Valiant, Dechard Burkgov Posch

The Bull - A service age son of Milestone from
an EX Elevation with 3 records over 900F - all
over 4% test. Next two dams also over 4%.

An excellent opportunity to buy plenty of ready
milk from cows that can also produce valuable
offspring as well.

Terms: Cash. Sale in heated tent. Lunch
available.

For catalogs contact:

Owner
JOHN L. (JACK) KING, JR. & FAMILY

Route 1, Box 56
Church Hill Rd., Md. 21623
Phone. (301) 556-6421

Sale Manager
REMSBURG SALE SERVICE

P.O. Box 177
Jefferson, Md. 21755
Phone. (301) 473-8214

MR. AND MRS. LAWRENCE EDWARDS COMPLETE FARM DISPERSAL

SATURDAY, JANUARY 2, 1982

10:00 A.M.

86 South Main Street, Prattsburg,
(Steuben Co.) N.Y.

Sale at the farm on Main Street (rte.
53) in Prattsburg, 11 miles south of
Naples or 11 miles north of rte. 17 exit at
Kanona.

Having sold the farm and retiring from a
lifetime of dairying, everything goes to the high
bidder!

DAIRY HERD:

42 Homeraised, Interstate Tested Holsteins
consisting of 29 milking age females with a
rolling herd average of 17,000 milk! 18 head are
in their 1st., 2nd or 3rd lactation! Just a real
fancy group of young cows that have never
been pushed. Also 4 just bred yearlings; 2 open
yearlings and 7 heifer calves born July-Nov. All
cattle blood and t.b. tested, inoculated against
shipping fever and necessary animals
pregnancy checked to Dr. Garth Murray. Note:
Mr. Edwards has bred with Eastern Breeders
since 1955, using only the better sires. This
breeding is well reflected in this herd!

EXCELLENT MACHINERY:

I.H. 400 farmall tractor, w.f.e., fire crater
kit, chains!; I.H. 300 utility tractor, w.f.e., fire
crater kit, chains and Work Horse all hydraulic
front loader; 1968 I.H. 3/4 ton pick-up, 4 sp.,
51,429 miles; 1978 I.H. 540 spreader; almost
new N.H. 718 chopper with 1 row corn head and
high flotation tires; almost new Killbros 375
gravity box on gear; almost new Little Giant 12
ft. alum. undercar unloading conveyor; like
new M.C. rotary scythe; Mayrath 24 ft. hay-
grain elevator; B.M.B. 6 ft. trailer type rotary
mower; Century 206 gal. fiberglass sprayer
with 21 ft. boom; I.H. 15-side rake; J.D. 24T
baler with ejector; 2 Badger 8 ton running
gears with detachable kicker racks; 6 ton I.H.
running gear; Kasten 2 beater s.u. wagon on 8
ton Badger gear with flotation tires; I.H. 12 ft.
disk; Brillion 12 ft. cultipacker; I.H. 3-16 trailer
plow like new!; I.H. 240 2-row cultivator; J.D.
55 blower with pipe; J.D. 7-17 disk drill; J.D.
494-A corn planter; I.H. 2-row corn planter;
I.H. semi-mt. mower; Mayrath auger; stock
water tank; platform scales; 2 cattle oilers; 4
Surge 50 lb. milkers; belt pulley rip saw; app.
1200 bales wheat and oat straw; 12 bags @ 80 lb.
of 15-15-15 fert.; plus other items! All
machinery in the best of mechanical condition,
nothing sets outside!

ANTIQUES:

2 oak tall beds; set of 6 nice spindleback oak
chairs; oak side by side with mirror top;
walnut hall tree with white marble top and
umbrella holders; oak dresser; fancy oak
spindleback rocker; rosecarved cane seat and
back rocker; oak spindleback rocker; organ
stool; cheeseboxes; dovetailed tool chest; pine
cupboard; pine (painted) schoolmasters desk;
cast cook stove; cast iron corn sheller; cast
scalding kettle; large set of stilliards; crocks
and jugs including 4 gal. Penn Yan and 5 gal.
McCarthy in blue decoration; Waterbury 8-day
square case clock; Cabinet victrola; Philco
multi-band cabinet radio; wooden forks;
lanterns; roll-a-way bed; oak stand; beautiful
pair of twin mahogany, 4-poster beds with
scrolled headboards; Frigidaire gas dryer;
brand new stainless hood for cook stoves; plus
usual other small items of interest!

Note: The Edwards' have been on this
historic farm site for 35 years and have come to
be highly respected in the dairy industry. You
will have the opportunity to purchase
desireable antiques starting promptly at 10:00
A.M. followed by an extra clean line of
machinery at app. 11:30 and top it all off with
the very "right kind of cow" from one of the
last remaining all homeraised herds! See you
the 2nd!

Terms: Cash or good check day of sale. I.D.
required. Nothing to be removed until settled
for. Trucking can be arranged.

Owned by

MR. & MRS. LAWRENCE EDWARDS

607-522-4162

Auction conducted by
PIRRUNG AUCTIONEERS, Inc.
Wayland, N.Y. 716-728-2520
Licensed - Bonded - Insured - Reputable
Sales Managers and Auctioneers



Public Sales Register

THURS. JAN. 7, 1982, 9:30 A.M. Dispersal of Holstein herd, hi grades & reg. horse drawn farm machinery, work horses.

Located 3 mi. south of Strasburg. Terms by Gideon B. & Katie Stoltzfus. Steve Petersheim, Auctioneer.

FRI. JAN. 8 - 5:30 P.M. Gap Auction. Antiques

DAIRY COW SALE

A local herd of 20 Holstein milk cows, some registered with DHIA records, pregnancy checked, will be sold at the

BELLEVILLE LIVESTOCK MKT., INC.

DEC. 30, 1981
Around 1 P.M.

PUBLIC SALE

OF 12 ACRE DAIRY FARMETTE
FARM EQUIPMENT
CONSTRUCTION TOOLS, SUPPLIES
TUESDAY, DECEMBER 29
11:00 A.M.

LOCATION: From Terre Hill go east to Spring Grove, then take Union Grove Rd. app. one mile to Spring Hollow Rd., turn left, second property on right, Caernarvon Twp., Lancaster Co., Pa. Watch for yellow sale signs.

A certain tract of land consisting of
12 Acre Dairy Farmette

TWO STORY FRAME SEVEN ROOM FARM HOUSE
with closet in each room. Full bath, large laundry.

40'x60' MIRACLE SPAN BANK BARN
with 24 tie stall stanchions. Rubber mats.
30'x60' LOAFING SHED attached to barn.
14'x14' cement block milk house attached to barn. **14'x45' cement stove silo.**

30'x34' EQUIPMENT POLE SHED 24'x40'
TWO STORY BLOCK AND FRAME GARAGE
and Shop. **12'x18' Two Story Block and Frame Chicken House.** Well with pressure system.

NOTE: All buildings were built in 1980, most of them have electricity.

OPEN HOUSE: Saturdays, December 19-26 or by appointment. TERMS: 10% down day of sale, settlement in 90 days.

REAL ESTATE AT 1:00 P.M.

FARM EQUIPMENT

International T.D. 6 with Blade, good condition; P.T.O. for Int. T.D. 6; Gehl 95 Grinder-Mixer; Case Grinder-Mixer; Hesston No. 10 P.T.O. Haybine; A.C. Forage Wagon; New Idea 201 P.T.O. Manure Spreader; J.D. 494A 4 Row Cornplanter; J.D. 43 3 pt. Corn Sheller; J.D. 28 Disc, like new; M.H. 16 Offset Disc; M.F. 3 pt. 3-14" Trip Bottom Plow; N.H. 24' Elevator; Int. 8' Disc 1 Row Cornhead for N.H. 717 Harvester; 12' Corn Drag; 2 - 51" J.D. Utility Steel Wheels, like new; Portable Hog Catcher and Trailer; 3 pt. Hay Rake; False End Gate and Winch; 5 Ton Metal Feed Bin; 12'x36" Tractor Tires; 7.5 H.P. Single Phase Motor with Starter and 25' Cord; Surge S.P. 22 Milker Pump; Agstar 12 Hole Round Hog Feeder; 7 - Calf Hutches; Platform Scale; 24' Silo Roof with Gooseneck and Hoops; several 55 gal. Drums; New 4'x6' Cow Mat; Misc. Farm Hand Tools; Scrap Iron.

8'x12' INSULATED UTILITY BARN on skids

Construction Tools and Supplies

Rockwell 3' Wood Copying Lathe with attachments and motors; Century 120,000 Ready Heater; Portable Air Compressor with 6 1/4 H.P. Kohler Engine; Paslode Model M.A.W. 16 R Staple Gun; Clipper 36" Troweling Machine; 42" Ball Float with 2 handles; Dial N Angle Siding Table; U6 Temp Service Pole; Transit; Trailer Brake Controller; Miter Box and Saw; Lyon Miter Trimmer; Mason Tools; Jig Saw with motor; 27 Drawer Nail Cabinet; Ladder Jacks; 4' Level; Bifold Closet Door Hardware; Misc. Plumbing and Electric Supplies; Rakes; Shovels; 30 SHEETS 1/2" EXT. PLYWOOD; Lots of Misc. Cabinet Doors; Used House Doors and Windows; 2 - Alum. House Doors; Misc. Alum. Siding; Misc. Molding and Trimming; Used Lumber; 2 - 6'x6'x12' Hand Hewn Walnut Logs; Misc. Plastic Pipe.

Sale for

PAUL AND VERA SAUDER
215-445-5987

Atty.: Linda Kling

Aucts.: Nevin Z. Martin, Lewis R. Groff

Clerks: Martin's

Lunch Served - Not
Responsible for Accidents

and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

FRI. JAN. 8 - 10 A.M. Tack 9 A.M. Special Horse Sale of Draft Horses, Driving Horses, Saddlebred Driving and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Diefenbach, Manager

SAT. JAN. 9 - 10 A.M. Public Sale of Cars, Trucks and Garage Equipment. Located at 109 Chambersburg St., Gettysburg, Pa. Ellis L. Smith Estate. C. David Redding, Auctioneer.

SAT. JAN. 9 - 1 P.M. Ab-

solute Auction of Hunting Cabin and 40 Acres of Woodland and 2 1/2 Story Frame House on 1/4 Acre Lot. Both located in Lycoming County, Jersey Shore and Waterville area. Terms by Charles Sheidy, P.O.A. Randal Kline and Lloyd Kreider, Auctioneers

MON. JAN. 11 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

MON. and TUES. JAN 11 and 12 - Public Sale of Bred Gilt. Located at the Farm Show Bldg., Harrisburg, PA, Small Arena. PA Co-op Swine Breeders Assn Harry Bachman, Auctioneer.

ANNUAL PUBLIC SALE

From Interstate 81 South of Martinsburg, W.Va. Take Exit #5 (Inwood, W.Va.) Route 51 East approximately 3 1/2 miles to Larry's Market (formerly Haines'). Turn right - .2 of a mile to sale - Or From Charles Town, W.Va., Take Route 51 West - Go approximately 8 miles to Larry's Market - Turn left - .2 of a mile to sale.

SATURDAY, JANUARY 2
AT 9:30 a.m.

APPROXIMATELY 20 - 25 TRACTORS - Including Cubs, Fords, John Deere, Internationals, Fergusons and many other makes. ALSO - We will be offering a good selection of plows, cultivators, wagons, new and used rotary cutters, 6 and 7 ft. blades, post hole digger, discs, wood saw, rakes, baler, grain elevator, corn pickers and many other farm related articles.

We will also be offering a good selection of new and used tools, some household articles and some antiques.

CUZ of Pennsylvania will be here with a good load of watches, tapestries, and yard goods for the ladies.

TERMS: CASH. NOTHING TO BE REMOVED UNTIL SETTLED FOR.

EDGAR A. BOHRER, Sale Mgr.

304-229-8354

AUCTIONEERS: Miller and Bohrer

CLERKS: Ware, Bohrer and Bohrer

NOTE: THIS IS A CONSIGNMENT SALE. LET US TURN YOUR UNUSED FARM ARTICLES, HOUSEHOLD ARTICLES OR ANTIQUES INTO CASH FOR YOU. IF YOU ARE CONSIDERING HAVING AN AUCTION, PLEASE, CONTACT US. WE WOULD BE PLEASED TO SERVE YOU.

NOT RESPONSIBLE FOR ACCIDENTS
ON PREMISES - LUNCH RIGHTS
RESERVED

Lancaster Farming, Thursday, December 24, 1981-B45

MON. JAN. 11 - 1 P.M. Public Sale of Duroc Bred Gits Located at the Farm Show Building in the small arena at the PA Farm Show. PA Duroc Breeders Assoc 814-364-9901

FRI. JAN. 15 - 1 P.M. Public Sale of Swine. Located at Brooks End and Park-Kay Farm, Beavertown, PA. Reno and Park Thomas and Mark Stehr, Owners Dan Baker, Auctioneer

SAT. JAN. 16 - 6:30 P.M. Danville Livestock Market, horse sale located Old Route 11, Danville, PA Melvin M. Lehman, owner

SAT. JAN. 16 - 10 A.M. Public Sale of Dairy Farm, Antiques and Household Goods. Located along Red Well Rd., 5 mi. southeast of New Holland or 3 mi. east of Intercourse, Mahlon M. Weaver Estate Nevin Z. Martin and Lewis Groff, Auctioneers

MON. JAN. 18 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

TUES. JAN. 19 - 10 A.M. Public Sale of Horses and Mules. Located Kingsport Livestock on Highway

11W Kingsport, TN. Billy Cochran, 615-234-3403 or 348-7387.

THURS. JAN. 21 - Farm Equipment Sale at Horsts Machinery Lot located one mile east of Marion, PA off Rt. 81. Sale Manager, Ralph W. Horst, Marion, PA 17235

FRI. JAN. 22 - Tack 9 A.M. Special Horse Sale of Draft Horses, Driving Horses, Saddlebred Driving and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Diefenbach, Manager.

MON. JAN. 25 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

WED. JAN. 27 - 10 A.M. Blizzard Date Jan. 29. Ag-Industrial Equip Co Annual Winter Sale of New and Used Farm Equipment located at 1207 Telegraph Road, Rt. 273 Rising Sun, Md. Blaine Rentzel Auctioneer

SAT. JAN. 30 - Public Sale of Antiques and Household Goods. Located just off Rt. 322 on the rear of Galen's W

Main St., Ephrata, PA. Ida Mae Kinzer Estate T Glenn and Timothy G. Horst, Auctioneers.

FEBRUARY

MON. FEB. 1 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

FRI. FEB. 5 - 10 A.M. Special Horse Sale of Horses and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Diefenbach, Manager

SAT. FEB. 6 - Public Sale of Horses, Feeder Cattle and Farm Equipment. Located at 1605 Fonderwhite Rd., So. Leb Twp., Co., PA Samuel S. Zook, Owner Earl S. Buttenmeyer, Auctioneer.

MON. FEB. 8 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

FRI. FEB. 12 - 10 A.M. Public Sale of Dairy Cattle, Horses and full line of farm equipment located 4 miles Southeast of Georgetown, 3 miles East of Green Tree from Rt. 896, along Lower Valley Road Enos B. Stoltzfus, owner Diefenbach's Auctioneers

SAT. FEB. 13 - Public Sale of Farm Implements, Livestock and Household Goods. Located midway between Bowmansville and Fivepointville in Brecknock Twp., Lanc Co., PA - turn off Rt. 625 at first road south of town, Pleasant Valley Rd., travel 1 mi. turn left on Leid Rd., 1st farm, Noah Leid, Owner. LeRoy S. Horst and Paul W. Horst, Auctioneers

MON. FEB. 15 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

THURS. FEB. 18 - 9:30 A.M. Public Sale of Horse Drawn Farm Machinery. Located 9 mi. east of Lancaster City, PA. N Harvest Rd. Terms by Levi S. Stoltzfus. Steve Petersheim, Auct

THURS. and FRI. FEB. 18 and 19 - Farm Equipment Sale at Horsts Machinery Lot, located one mile east of Marion, PA, off Rt. 81. Sale Manager, Ralph W. Horst, Marion, PA 17235.

Good's Auction

111 North Maple Ave.
Leola, PA

Hay, Straw & Grain Sale
Every Wednesday
12:00 Noon

Tools and Hardware
Lawn & Garden Equipment
12:00 Noon
Farm Machinery - 12:30

No out of state checks
No household Goods, no clothing.
No poultry Equipment or scrap tin.

DAVID H. GOOD & SONS

RD 1 Leola, PA 17540
717-656-9558

PENNSYLVANIA ALL BREED BRED GILT SALE

JAN. 11-12, 1982

Farm Show Bldg. Harrisburg, Pa.

Small Arena

Sale Arena Phone (717)-787-4160

Berkshire:

Arle Cornblower
#1 Box 41
New Freedom, PA 17349

Chester White:

Charles Griest
Rt. #1
Abbottstown, PA 17301

Duroc:

Ken Fetterolf
R. #1 Box 314
Centre Hall, PA 16828

Hampshire:

Charles Bomgardner
Annville, PA 17033

Auctioneer:

HARRY BACHMAN

138 College Ave., Annville, PA

17003

Tel. 717-867-1809

Landrace:

Larry Baum
R33 Box 422
Elizabethtown, PA 17022

Poland:

Keith McConnell
Box 46
Volant, PA 16156

Spotted:

Clair Hartman
Box 222
Gratz, PA 17030

Yorkshire:

Leon Arnold
R#5 Box 705
Lebanon, PA 17042



MAY BE REMOVED FOLLOWING SALE
WHEN SETTLEMENT MADE

PA. CO-OP SWINE BREEDERS ASSN.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

FRI. FEB. 19 - 9:30 A.M.
Public Sale of Cattle
Located 4 mi. south of the
Bucks, PA in Chestnut
Level Terms by Aaron
and Emma Stoltzfus
Steve Petersheim,
Auctioneer.

FRI. FEB. 19 - 10 A.M.
Special Horse Sale of
Horses and Mules at New
Holland Sales Stables,
Inc. 12 miles East of Lan-
caster, Pa. just off Rt. 23,
New Holland, Pa. Abe Dif-
fenbach, Manager

SAT. FEB. 20 - 6:30 P.M.
Danville Livestock
Market, horse sale
located Old Route 11,
Danville, PA. Melvin M.
Lehman, owner

SAT. FEB. 20 - 11 A.M.
Public Sale of Horses
Located at the Belleville
Livestock Market.

Belleville, PA Mark Glick,
Auctioneer

SAT. FEB. 20 - 10 M
Public Auction of Full Line
of Farm Equipment
Household Goods and An-
tiques located 4 miles
Southeast of New
Holland, 3 miles East of
Intercourse along Red
Well Road Terms by Enos
N. Weaver Diffenbach's
Auctioneers

MON. FEB. 22 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner

MON. FEB. 28 - 9:30 A.M.
Consignment Sale
Located at S Race St.
Myerstown, Pa. 17067.
Sale held by Wengers
Farm Machinery, Inc.

WED. FEB. 24 - 9:30 A.M.
Public Sale of Farm
Machinery and Tractors
Located along Meadow
Valley Rd., 1 1/2 miles west
of Ephrata between
Ephrata and Rothville,
Lancaster County, PA
Terms by Edwin Horning
Horst and Rentzel, Auc-
tioneers

FRI. FEB. 26 - 9:30 A.M.
Public Sale of Antique
Tractors, Engines, New
and Used and Abused
Farm Equipment, New
Tools and Fruit Located
10 mi. east of Lancaster,
2 1/2 mi. west of New
Holland, turn off of Rt. 23
on S Groffdale Rd., turn
left on Musser School Rd.,
Lancaster Co., PA. Elias S.
Beiler, Robert E. Martin
and Son, Auctioneers
656-7770. Frank L.
Steller and Blaine Ren-
zel

SAT. FEB. 27 - Public Sale
of Farm Equipment
Located 2 1/2 mi. west of
Shippensburg, PA off Rt.
533 Arthur Gayman
Ralph W. Horst, Auc-
tioneer

SAT. FEB. 27 - Public Sale
of Farm Equipment
Livestock, Building
Materials, Antiques and
Household Goods
Located at the Strasburg
Fire Co. 8th Annual Public
Sale Elvin Siegrist and
Alvin Miller and local auc-
tioneers

MARCH

MON. MAR. 1 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

TUES. MARCH 2 - Public
Sale of Farm Equipment,
Tools and Household
Goods. Located along
Cabin Rd., 1/2 mile west of
Hinkletown. Aaron S. and
Mabel Weaver Nevin
Martin and Lewis Groff,
Auctioneers.

TUES. MARCH 2 - Farm
Equipment Dispersal for
Richard and Mary
Gardener, Newburg, PA
Rt. 17240, located 1/2 mile
Northeast of Blue Moun-
tain interchange for turn-
pike along Rt. 997 Ralph
W. Horst, Marion, PA.
Auctioneer

BROOKS END AND PAR-KAY FARM SIXTY-SECOND ANNUAL WINTER SALE FRIDAY, JAN. 15 1:00 P.M. At the Farm • Beavertown, Pa.



IRISH BOARS and GILTS of this great Dam
will sell. Greenback 3044, one of our foundation
Irish Yorkshire Sows.

250 head of SCOTCH & IRISH and other foreign bloodlines • New Bloodlines on Each Sale YORKSHIRE — LANDRACE

Born and raised on our farms from our
parent imported stock.

100 * BRED GILTS - most of which carry
Scotch or Foreign Blood Litters.

50 * YORKSHIRE - Many carry Scotch litters.

40 * LANDRACE - Many carry Scotch or
Foreign Blood Litters.

50 * BOARS

30 YORKSHIRE - New Scotch Bloodlines as
well as Irish and American Bloodlines.

20 LANDRACE - All 100% SCOTCH, IRISH
or other foreign blood.

100 * Commercial Open Gilts - Mostly Irish &
Scotch blood. Scan-O-Probe Loin Eye & Back
fat figures. Production tested - Certified Meat
Proven & Show Ring Champion Stocks.

**CERTIFIED BRUCELOSIS FREE &
PSEUDORABIES FREE.**
Health Charts Sale Day For Entry
Into Any State.

BIG 1981 WINNERS BROOKS END FARM WINS PA. TEST STATION WITH YORKSHIRE BOARS SIRED BY OUR IRISH LARGE WHITE "DANNY"

Feed Conversion	2.32
Daily Gain	2.17
Ham-loin %	64.2
Pen Index	143

PAR-KAY FARMS HAD THE 2nd PLACE PEN OF YORKSHIRE BOARS SIRED BY "WINSTON"

Feed Conversion	2.54
Daily Gain	1.95
Ham-loin %	63.9

This all means more pounds of pork for
less pounds of feed. We profit on the
sales end and we profit on the cost end.

2 MORE BIG WINNERS IN 1981

Par-Kay Farms had the champion
barrow on the rail and Brooks End
Farm had the Reserve Champion
barrow on the rail at the August
Penna. State Yorkshire Show.

Owners:
**RENO & PARK THOMAS
& MARK STEHR**

RENO	PARK	MARK
717-658-5821	717-658-6544	717-658-7007
717-658-7304	717-658-6702	

Catalogs Available

Dan Baker, Lafayette, IN, Auctioneer

PUBLIC SALE

THURSDAY, JANUARY 7
at 9:00 a.m.

**REGISTERED & HI GRADE
HOLSTEIN DAIRY HERD
MILKING EQUIPMENT
HORSES — HORSE DRAWN
FARM EQUIPMENT — EAR CORN
HOUSEHOLD GOODS — ANTIQUES**

Located 3 miles south of Strasburg in
Lancaster County, PA — From Rt. 30 go
south on Rt. 896 to Strasburg, go
straight thru at light onto May Post Office
Road, follow to Weaver Road, turn west
on Weaver Road and Watch for signs.

**REAL ESTATE — 53 ACRE DAIRY
& TOBACCO FARM TO BE
SOLD AT 11:30 A.M.**

Improvements thereon consist of large bank
barn w/36 comfort stalls and extended heifer
barn, 14x60 silo, work shop, tobacco shed,
ample gravity water supply, manure pit (3 mo.
capacity). Two and a half story frame house
with 4 bedrooms, kitchen, 1 1/2 bath and wash
house.

2 1/2 story tenant house constructed of frame
and stone with walk in basement, 4 bedroom,
kitchen, bath and living room. Can be bought
with 1/2 acre if preferred.

AUCTIONEER'S NOTE: A quiet community
only a few miles from Strasburg and Lan-
caster, City.

Terms of Real Estate: 10% down-day of sale,
final settlement 90 days.

51 Head DAIRY HERD 51 Head

38 milk cows, 5 bred heifers, 6 yearlings, 2
calves, 14 Registered, mostly all same prefix,
A-M, P-M, DHIA, pedigrees and records an-
nounced on sale day, 2 Registered heifers due
early January sired by Creek, dam 4.4% fat
bred to Gemini, 1 Registered yearling by
Superstar, approx 11 cows due Jan. & Feb.,
approx. 8 fresh Nov. & Dec., balance in all
stages of lactation. Records to 20,000 M.;
Registered bull - 30 day charts. Pregnancy
checked.

Dairymen & Speculators - An opportunity to
buy foundation cows with size and production
from a young program.

MILKING EQUIPMENT

600 gallon Sunset tank direct exp.; Sputnik milk
transporter; Dairy-Kool 170 gallon Thermo-Stor
tank; 3 Bow-Matic 60 lb. milker units, Cal. liner
with De-Laval pulsators; Bender milker
washer; temperature recorder; stainless steel
work table; stainless steel twin tubs; 5 horse
water cooled compressor, all in nice condition;
Bow-Matic milker pump; 18 h.p. Lombardini
diesel, 3 1/2 years old.

FARM MACHINERY

McCormick 2 way plow, steel bottom; Case
harrow-cultipacker combination; John Deere
disc harrow; 3 section spring tooth harrow;
alternated New Idea 206 Manure spreader, 3
years old; New Idea liquid manure spreader by
Stoltzfus; McCormick No. 9 mower; N.H.
Super 55 hay rake; John Deere 999 corn
planter; Oliver boom sprayer with gas engine;
flat bed wagon with brakes; round hay feeder;
New Holland 66 baler for parts; new lawn gate;
lumber; 2 cycle Wisconsin engine; locust
posts; 6-5-4-3-2 horse hitch; 275 gallon fuel
tank; barn desk; medicine cabinet;
medications; wagon load of small items.

Approximately 5 ton ear corn; approx. 3 ton
peanut hulls in 60 lb. bags. 4 sorrell work
horses, 2-9 year olds, well broke, 2 lead horses;
Ag star mineral feeder; 3 set heavy harness;
collars; bridles; and lines.

HOUSEHOLD ANTIQUES

Iron kettle with handle & tripod; old mantle
clock with lion heads; old pendulum shelf
clock; old kitchen cabinet w/flour sifter, top
only; old kerosene lamp w/brass base; wooden
pulleys; snow birds; Model T radiator car
temp.; L.L. Smith typewriter; smoke stand;
few pieces small furniture; iron door oven
front; some old dishes and china plus boxes out
of attic.

Terms By:

**GIDEON B. &
KATIE STOLTZFUS**

Auctioneers:
Steve Petersheim, 717 786-4624
Everett Kreider
Pedigrees: Dale Hooper
Attorney: Lehman & Clymer

LUNCH AVAILABLE
A few Wisconsin engines
will be sold on consignment
in working order!



CHRISTMAS & NEW YEAR HOLIDAY COW SALE

TUESDAY, DECEMBER 29

12:30 P.M.

To be held at:
**Smoketown Quality Dairy
Sales Co.
Rt. 340
Smoketown, PA.**

5 mi. east of Lancaster
5 mi. west of Intercourse.

Merry Christmas
Happy New Year

Thanking you and hoping that you
and yours will know the beauty that
is Christmas long after the holiday
season has gone. Just keep it in
your heart and it never will depart.

**SMOKETOWN
QUALITY DAIRY SALES**
Smoketown, Pa. Rt. 340

Managed by:

Gordon & Helen Fritz

Carl Diller, Paul Snyder

Auctioneers

Henry Kettering, Pedigrees

Ben & Margaret DeVerter, Clerks

Two load of fancy Reg. and Grade Cows and Heifers from Farm Dispersals
out of New England states & Canada.

Reg. Born - Oct. 1977 - 8Kag-Vale Frasea Rocket - V.G. Daugh. Avg.
16,827m +720m. Bred to Fisher-Place M-Star Gazer. V.G. Daughter's Avg.
18,030m +922m +32F. - 2 yr. 305d. - 13,709m - 3.7T - 507F. - 3 yr. 310d.
17,519m. 3.6T. 630F.

Reg. Born - Nov. 1979 - Davis Farm Royal Piolt - V.G. Daugh. Avg.
18,493m 641F +1782m +38F. His Daughter topped 1981 International Red &
White Spring Sale - \$7500. Bred to KA-Lill Stand Out Cavalier - Dam 4
records over 18,000m - 750F.

Reg. Born - Aug. 1976 - Firtholm Bootmaker Pepper. Bred to Winson
Executive.

Reg. Born - May 1977 - Rose-V-Vue Rockman Count Ex Bull - Daughters
Avg. 17,433m +1472m +47F.

Reg. Ivanhoe Star V.G. 85 - could score higher, 2 records over 20,000m top
record over 23,000m. 2 records over 600F. One record over 700F +830m.

Reg. Born 5-10-75 Round Oak Rag Apple Elevation. 1 yr. - 11 - 305d - 14,130m
456F. - 3 yr. 4m - 305d 21,400m 3.5T. 747F. - 4 yr. 3m. 305d. 15,770m. 3.9T
611F. +Herd made difference and cow index for 3 Gen. +1390m. +45F.
Dam-Milu Betty records over 16,000m. Avg. 3.6T.

Reg. Born 1-10-78 Willow Farm Rockman Ivanhoe - Never on test - Bred to
Cobrylea Quality. Daugh. Avg. 18,064m. 630F. Dams 2 yr. 3m. 305d -
13,380m 460F. 3 yr. -305d. 15,990m. 3.7 - 592. 4yr. - 290d - 16,690m 567F.
Granddam records up to 17,110m. 3.8t 643F.

Reg. Born 11-20-77 Cobble Farm Kilian, +833M, daughters average
17,079M, 3.41 test, 619F, grandam records from 15,960 to 17,430.

Reg. Born 10-10-77 - Ace-High Dairy Trixie Ben Ted - Daugh. Avg.
18,169m. 3.58 +651F. - Bred to Barrett-Ranch Ivan Rockman - Ex Bull -
Daugh. Avg. 16,261m - 538F. +1214m. +54F.

Reg. Born 3-11-76 - Wholesome Perseus Leader, V.G. Canadian +3m.
Daugh. Avg. 355 Bred to Duarte-Acres Astronaut Albert +1067m +39F.

Reg. Born 6-11-79 - North Star Baronet Verne - Bred to Ronbeth Persistent -
Ex Canadian Bull - +10m - 3.65T.

Reg. Born 9-25-75 - S&W View - Crest Joe

Reg. Born Nov. 26, 1978 - Elmlodge Ultimate Ivanhoe. Bred to Madawaska
General Grant.

Reg. Born 5-30-77 - Simpson's Apostle - Daugh. Avg. 16,801m 3.77t 634F.
Dam records 5 over 16,000 and one 17,640m. 3.8 662F.

Fancy Grade Cow - Born Aug. 1975 - 305d. 17072 - 4.3t 726F. Bred to Har-
mony.

Grade - 305d - 14,350m. 3.6t 516F.

Grade - 299d - 14,101m. 3.7t 521F. 314d. 16,057 3.7t 594.

Grade - 311d - 16,310m. 3.5t 570F - 315d 18,438m 3.6t 633F.

Reg. Born 10-15-77 Lehut Mabel Jumbo - just freshmade to milk.

Reg. Holstein Marvex bull, big strong ready for service. Dam- Harrisburg
Gay daughter 3 years 18,943M 647F, 4 yrs. 20,379M 704F. Grdam - Ivanhoe
Star.

If you need milk, test and records don't miss this sale.

In appreciation for your support this year, a gift for every buyer. Turkeys
for some of the lucky number buyers.

Cash or good check day of sale.

Sale By

GORDON & HELEN FRITZ
717-393-0930

Carl Diller - Paul Snyder Auctioneers
Henry Kettering - Pedigrees

Lunch Bird-in-Hand Auxiliary

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

MARCH 3 - Public of Farm Machinery Household Goods, ed one mi. north of essex. John Ferten, Carlisle, PA RD 8 Middlesex. Ralph W, Auctioneer.

FRI. MARCH 5 - 9 A.M. Public Sale of Machinery. Located at the Belleville Livestock Market, Belleville, PA. Gluck, Gibboney and Gilligan, Auctioneers.

18th Annual Bart Twp. Fire Co. Sale to be held March 6, 1982. Horse

**DEALER IN ALL KINDS
OF LIVESTOCK**
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
Ph: 717-786-3016

DAIRY HERD DISPERSAL TUESDAY, JANUARY 5, 1982 11:00 A.M.

Located in Blair County, between Martinsburg and Roaring Spring, off route 164 at East Sharpsburg, above the red brick church:

55 HEAD HOLSTEINS 55

Consisting of 33 mature cows and 1st Calf heifers in different stages of lactation. 16 of these are milking with First Calf; 10 red Heifers; 6 Open Heifers; 5 Calves. Approx. 10 are Registered. (Hb. Gay, Performer) several will be fresh by sale date.

DHIA RECORDS - Herd Average 16,956m 8% 637f Certified & Accredited - All artificially sired & Bred by Atlantic Sires. Records to over 20,000 M 800 F.

A Top Young Herd - Lots of Potential:

Catalogs at Sale Held in
Hingside Heated Tent

Also Selling:

Surge Stainless Steel Pipeline Milker for 30 Cows - 3 Units - Milk Meter. Approx. 2000 Bales 1st & 2nd Cutting Alfalfa. 200 Tons of Corn Silage.

Lunch Stand.

HARRY L. & VELMA BRUBAKER,
Owners

R.D. 1 Roaring Spring, PA
814-224-2383

Sale by: Kling's Auction Service
Landisburg, Pa.

717-789-3883

Fred Naugle, Pedigrees

Drawn and Farm Equipment, Building Material, Housewares, Antiques, Horses and Lawn Eq. Also lg selection of food by ladies auxiliary. Located at the fire hall in Bart Twp., Georgetown, PA

SAT. MARCH 6 - Public Sale of Farm Equipment Located near Middlespring, about 1 1/2 mi. northwest of Shippensburg, PA. David Weir, Ralph W. Horst, Auctioneer.

MON. MAR. 8 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

FRI. MARCH 12 - 10 A.M. Tack, Harness, etc. 12:00 Noon Tractor and Horse Drawn Farm Equipment Sale and 7 P.M. Special Horse and Mule Sale at New Holland Sales Stables, Inc., 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

MON. MAR. 15 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

SAT. MARCH 20 - 6:30 P.M. Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

SAT. MARCH 20 - Public Sale of Farm Equipment Located near Victor, NJ Saxby Imp. Co. Annual Sale. Ralph W. Horst and Blaine Rentzel, Auctioneers.

SAT. MARCH 20 - 10 A.M. Public Sale of Modern Farm Equipment. Located off Rt. 283 at the Salunga

SALE EVERY TUESDAY

Graded Sale
1st Tuesday each month
2 P.M.

Horse Auction
2nd Saturday each month
1 P.M.

**FAUQUIER
LIVESTOCK
EXCHANGE**
Marshall, Va.
703-364-1566

Exit go South on Prospect Rd. to Eby Chiques Rd., RD 3, Mt. Joy, Pa. For Minnie V. Gantz C.H. Wolgemuth, Auctioneer.

MON. MAR. 22 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

THURS. and FRI. MARCH 25 and 26 - Farm Equipment Sale at Horsts Machinery Lot, located one mile east of Marion, PA. off Rt. 81 Sale Manager, Ralph W. Horst, Marion, PA 17235.

SAT. MARCH 27 - Steve Gallant Potato Farms Complete Dispersal, Sweden Township, Potter Co., PA. Sale by Pirrung's, Wayland, NY or Ulysses, PA. 814-848-7421

SAT. MARCH 27 - Auction of 32 acre Farm and All Equipment and Personal Property along Orchard Rd. in Brecknock Twp., Lancaster County. Terms by Silas and Alice Good, Randal Kline, Lloyd Kreider and Roy Good, Auctioneers.

MON. MAR. 29 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

APRIL

FRI. APR. 2 - 10 A.M. Special Horse Sale of Horses and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

SAT. APRIL 3 - Estate of Richard L. Sarginger Potato Equipment Dispersal, Sweden Township; Potter Co., PA. Sale by Pirrung's, Wayland, NY or Ulysses, PA. 814-848-7421

MON. APR. 5 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

SAT. APRIL 10 - 9:30 A.M. Public Sale of Farm Equipment, Tools and Etc. Located 4 miles west of Manheim, PA, 10 min from Rt. 283, Lancaster Co., PA. C.H. Wolgemuth and Sons Annual All Day Consignment Sale.

MON. APR. 12 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

SAT. APRIL 17 - 6:30 P.M. Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON. APR. 19 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

FRI. APR. 23 - 10 A.M. Special Horse Sale of Horses and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

SAT. APRIL 24 - 16th Colonial Charolais Spring Sale, at the Farmers Livestock Exchange, Winchester, VA. Sponsored by the Colonial Charolais Assoc. Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067.

MON. APR. 26 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

MAY

MON. MAY 3 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

MON. MAY 10 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA.

Lancaster Farming, Thursday, December 24, 1981-B47

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M. Tuesday of each week's publication.

MON. JUNE 7 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

SAT. JUNE 12 - 1982 - Colonial Invitational. Sale hosted by Brattan Charolais Farm, McVeytown, PA and sponsored by the Colonial Charolais Association. Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067

MON. JUNE 14 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

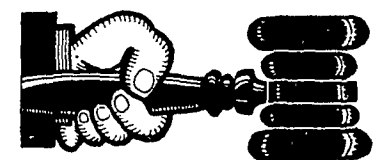
SAT. JUNE 19 - 6:30 P.M. Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON. JUNE 21 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON. JUNE 28 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

JUNE

SAT. JUNE 5 - 10 A.M. Special Purebred Heifer Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.



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LION...**
The Classified
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Season's Greetings

FROM ALL OF US

COWS - HEIFERS - CALVES STOCK BULLS

**Purebreds & Grades
Open Heifers Available**

We have cows on hand at both our farms in Lancaster and in Maryland. Come see us for your cows and heifers - and Courteous Service.

Lancaster Farm
2220 Dairy Road
Lancaster, Pa.
717-569-2106 or
569-6800
Dennis Kolb, Mgr.

MEL KOLB

Res. 717-393-7459

Maryland Farm
Woodsboro, MD
301-898-7720 or
898-7663
Tom Miller, Mgr.

DAY MONTHLY SALE
COW SALE
AT LANCASTER
1st THURSDAY
JANUARY 7th
AT 11:00 A.M.

DAY MONTHLY SALE
COW SALE
AT MARYLAND
3rd THURSDAY
JANUARY 21
11:00 A.M.

In Farmersville, 3 mi. east of Brownstown Lanc. Co., Pa.

2 oak sideboards (1 w/lions heads & claw feet; child's-size fainting couch, 2 oak beds; sellers utility cabinet; rag carpet; child's rocker; fainting couch; hooked rugs, crocks & jugs; large wardrobe; oak washstand; jars; trunk; train set; quilts; sad irons; lanterns; 150 pcs. Depression glass including some of the rarer pieces; Fiesta cream & sugar; baskets; balance scales; carnival dish; linens; counterpane; walnut fainting couch with back; upholstered victorian chairs & rockers; organ stool; toys; Majestic kitchen range; etc.

DOLLS

Bisque 21" A.M. 390 with Seeley body - 10" German Character Dome Head Baby - 12" A.M. #341 Dream Baby - 7" All Bisque German Sleep eyes girl - 5" all bisque Japan Betty Boops type. 12" Bonnet Head Doll.

Composition - 22" Shirley marked and original clothing. 18" Mary Ann toddler - 16" Patsy Type - 7" Alexander Dionne baby - 20" Madam Hendron Baby - Head only for 32" doll - 14" Effanbee Baby Dainty.

China Head - 14" early China Head orig. body kid arms.

Celluloid - 16" Marks Bros. toddler - 20" World War II nurse doll.

Hard Plastic - 8" Bendable knee Alexander "Jo" Little Women doll. 13" Buddy Lee marked and tagged overalls - 12" Indian Doll - 16" Shirley Temple 1972 doll.

Misc. German Pin Cushion doll with legs marked #6634, Mickie & Minnie Mouse Club dolls, 3 Mattel Chatty Kathy dolls, pr. high button baby shoes, christening baby gown.

WE SELL ON COMMISSION.



For us Men

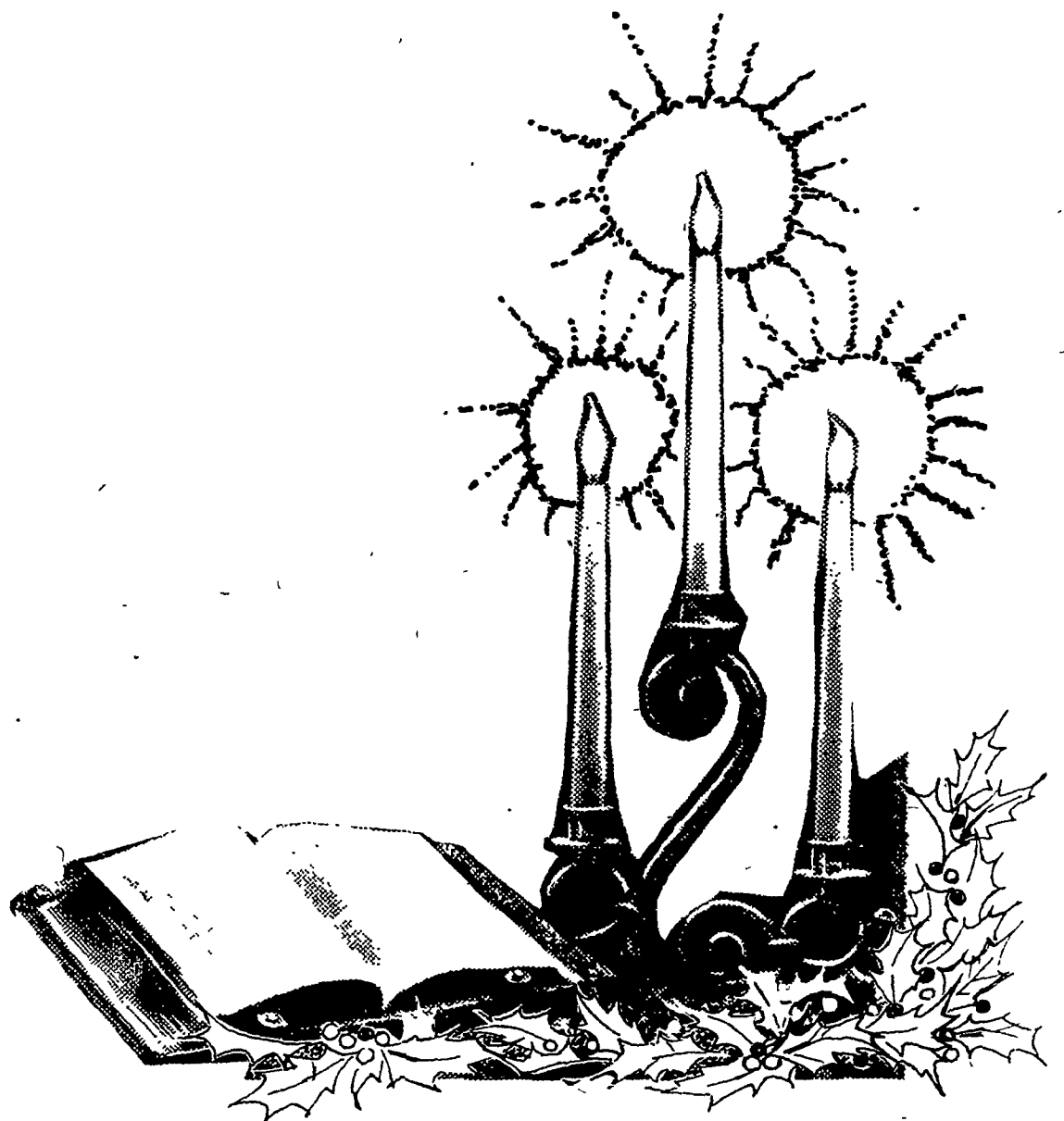
And For Our Salvation

He Came Down From Heaven

By The Power of the Holy Spirit

He was Born of the Virgin Mary

And He Became Man

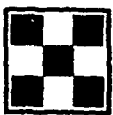


HESS MILLS

HIGH BROS.

K & K FEED INC.

KEYSTONE MILLS



TM

SOUTHERN DIVISION
West Willow Farmers Assoc., Inc.

UMBERGER'S MILL

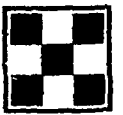
**MCCRACKEN'S
FEED MILL, INC.**

Anthony's Feed Mill

**WEST WILLOW
FARMERS ASSN., INC.**

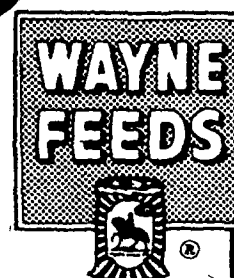
M.G. HENNINGER & SON, INC.

FAWN MILLS



TM

May All the Joys of the Christmas Season Be Yours



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Chicago, IL 60606

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ANDERSON BROS.
New Park, PA 17352 717-382-4472

W. L. MUMMERT CO.
High & Pine Streets
Hanover, PA 17331 717-637-6923

WHITE OAK MILL
R5, Manheim, PA 17545 717-665-2288

NOLTS MILL
Witmer, PA 17585 717-393-1369

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West on Miller St.
Shoemakersville, PA 215-926-2121

BATZ FEED & SUPPLY
R1, Richland, PA 17087 717-933-8168

JAMES BALMER
Wholesale Specialty Feed Distributor
Manheim, PA 717-665-2011

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Lenhartsville, PA 19534 215-756-6375

MANOR FARM SERVICE
RD 2, Lancaster, PA 717-872-4613

BRANDT'S MILL
830 Maple Street
Lebanon, PA 17042 717-272-6781

DUTCHMAN FEED MILL, INC.
R1, Stevens, PA 717-733-3020

WALKER CO.
Gar, PA 717-442-4169

MOYER & SON, INC.
113 E. Reliance Road
Souderton, PA 18964 215-723-6001

Farm Business News

New corn starter available

ATLANTA, GA. — A new corn starter, USS Vertagreen Plus 4, will be available to growers in all major corn-growing states in the spring of 1982. With a 9-40-5 N-P-K analysis, the new starter guarantees 5% Sulfur (S), 2% Magnesium (Mg), 1% Zinc (Zn) and 0.3% Boron (B).

Produced by USS Agri-Chemicals Division of United States Steel at its recently expanded and modernized Cherokee, Ala., facility, the new starter is an improvement over USS Vertagreen 15-40-5 Powr Prills with 1% Zinc, which will continue to be available.

USS Vertagreen Plus (9-40-5) was developed in response to the need for sulfur and boron as well as zinc in many soils. Low sulfur levels have become pronounced in recent years since clean air standards and pollution control have reduced air-borne sulfur.

Sulfur deficiency symptoms are very similar to nitrogen deficiency—pale yellow or light green leaves. Sulfur gives a healthy, deep green color to the plants and also contributes to healthier root development and vigorous early season growth.

High corn yields also require more boron. Even though crop removal of boron by corn is small, an adequate supply must be available throughout the entire growing season. (Caution must be exercised so that boron does not come in direct contact with the seed.

Zinc is also extremely important and is said to be the most limiting micro-nutrient for corn production. High phosphate levels especially require the application of zinc. Zinc deficiencies in corn usually appear early in the season under cool wet conditions.

Suggested Readings

Scours report available

KALAMAZOO, Mich. — A Scours Prevention Management Report explaining the different types, causes and treatments of various scours conditions in livestock is now available from TUCO, Division of The Upjohn Company.

Bacterial, viral and nutritional scours conditions are explained, as well as coccidiosis and swine dysentery (bloody scours). Antibiotic therapy is covered — including information about

resistance, mode of action and the effectiveness of antibiotics used to treat scours conditions. Use of bacterin vaccinations and helpful management steps are also discussed.

For a single copy of this scours report, or for more information, contact: Scours Prevention Management Report, TUCO, Division of The Upjohn Company, 9823-190-45, Kalamazoo, Michigan, 49001.

Pay attention to cleanliness in engine rebuild

LANCASTER — With high interest rates and cash flow problems blocking many new equipment purchases, more attention is being directed at repairing existing machinery to prolong its useful life.

One area of repairs that is receiving more such attention is the major rebuilding of engines.

And after a major rebuild, engine failure may occur within a short time. Usually, the problem can be attributed to a lack of cleanliness in the rebuild, according to Roger Higgins, Service Manager, Engine Division, Allis-Chalmers Corp.

Most common cleanliness problems can be traced to one of four areas: lubricating systems, cooling system, fuel system and repair parts.

LUBRICATING SYSTEM

Any engine repair must have special attention paid to the life line of the engine. If you are overhauling an engine it must be for some reason. If it is a major rebuild after long hours a considerable amount of sludge, varnish, and general wear materials will have been accumulated throughout the lube system.

Of course, a major engine failure will spread failed material throughout the same path. The only sure fire system to completely purge the oil path of this unwanted intruder is by thorough cleaning. Start by removing all plugs from oil galleries and passageways in the cylinder block and head. This may not be as simple as it sounds since most manufacturers use sealant on the plugs to improve sealability.

Heat is the only sure fire means of loosening the plugs; either a torch or steam. After removing the plugs the passageway should be cleaned by one or more of the following: steam, high pressure air, rodding, wire brushing and reamers. The final step should be blowing out with clean dry air and applying a light coat of oil before reinstalling the plugs.

The next area to clean should be the oil pump, internal and external pipes and tubes. The same techniques as used for the block and head apply.

Finally, one of the biggest traps of foreign material is the lube oil

cooler. The tubes and baffles provide a natural net for sludge, varnish and metal particles. Cleaning of the heat exchanger may be quite difficult depending on its particular design. The removeable bundle type is the easiest to clean in a tank. A one-piece design requires more time and patience; it may even require replacement if all foreign material cannot be completely flushed out.

After the entire oil system is cleaned, all openings should be immediately plugged to keep the system clean.

COOLING SYSTEM

Most of the suggestions which apply to the lube system also apply to the cooling system.

Remove plugs and clean with air or steam. Pay particular attention to "dead spots" around thermostats, filters, volutes, etc., which may have trapped rust, sludge, and solid materials. This is also a good time to check and inspect the thermostat and water pump.

Be sure to inspect and clean all "o" ring and cylinder liner seating areas. Could they have been involved in the reason the engine is being rebuilt? In any case, inspect, check, test, and repair or replace if necessary.

Radiators or heat exchangers should be thoroughly cleaned and inspected. If your facilities are not large enough, contract with a good radiator shop for the service. Again, after cleaning and repair or replacement, plug all openings to insure that the cleanliness remains.

FUEL SYSTEM

The fuel system is probably the simplest to clean, but it is probably also the easiest overlooked. Pipes

and tubes, both before and after the filters, should be checked and cleaned. Don't forget the nooks and crannies in the filter header.

This is also a good time to drain and flush the fuel tank. Of course, if fuel pump overhaul is a part of the repair program, the usual care for cleanliness must be observed. Use clean fuel for cleaning and reassembly. Beware of using rags which could deposit lint in the system.

Don't forget to clean the lubrication passages. Surgical cleanliness may be the goal to strive for. Once again, plug or cap all openings.

REPAIR PARTS

Most repair parts are received from the factory or a repair parts operation individually packaged and preserved. This does not mean they are ready for immediate installation in your engine. They should be cleaned of whatever preservative is on them.

Remember during storage this material may gel or harden. It also will attract small amounts of dust and dirt which adhere immediately to the preservative. Use a proper cleaning solution; solvent, steam, air, oil, etc., before installation.

Finally, install the parts as soon as possible after cleaning. Use a proper lubricant or coating in accordance with the manufacturers recommendations.

In summary, we believe that many "comebacks" on engine repairs can be eliminated by taking a step-by-step approach to the cleanliness of the engine in the three major systems: oil, coolant, fuel, and by properly handling the repair parts.

Martin receives award

ATLANTA, Georgia — Neal P. Martin, associate professor of agronomy at the University of Minnesota, received the 1982 CIBA-Geigy Award in Agronomy recently at the American Society of Agronomy annual banquet.

The award is given in recognition of outstanding service to one or more of the agronomic professions.

Martin is presently involved in Extension forage and research. His Extension programs are directed at forage production and utilization with special emphasis

on using farm demonstrations as a classroom for educators, growers and agribusiness suppliers. Much of his research effort is directed toward influencing legumes into unimproved grass pastures without tillage.

He received the Outstanding Service Award from the Minnesota Forage and Grassland Council (1979) in recognition of his service to Minnesota's forage industry. He serves on the American Forage and Grassland Council board of directors.



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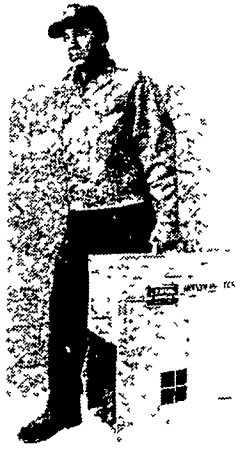


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The Milk Check

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County Agent



No, Virginia
It doesn't look like Santa Claus will be coming to town for dairy farmers this year. The uniform price for Order 2 shippers dropped 13 cents for November milk; you may be losing the parity formula as a basis for the dairy support price program and butter prices hitting their usual end-of-the-year slump.

First, the uniform price in Order 2 for November milk fell to \$13.74 mainly because there was only 33 cents a hundred left in the Louisville Plan account compared to the 45 cents you got in November.

The other penny was lost by a drop in the Class I utilization from 47 to 46 percent. Your total production was down about 100,000 pounds a day but you sold about 300,000 pounds less per day of fluid milk. This was due mainly to the five weekends in November - believe it or not.

It's not because people don't drink milk on weekends but because fluid milk bottling is not done on weekends. Most of the bottling - it's still called bottling even though milk bottles are

collectors' items - is done early in the week and hauled off to all the supermarkets for end-of-the-week sales. Milk brought in from farms late in the week is pasteurized and held in silos until the following week.

So, since utilization isn't reported by the handler until he sells the milk five weekends, fluid milk sales look bad.

Pancake

Every time you read a farm magazine (or newsletter) these days someone's telling you that milk prices will be "flat" into the "foreseeable future". Just how flat they can be was demonstrated by the November prices. Taking away the Louisville Plan payments for October and November you got the same \$13.42 for your milk both months.

The Class II price was exactly the same at \$12.58 as, of course, was the Minnesota-Wisconsin series at \$12.52. Class I prices were a cent lower in November at \$14.71 and manufacturing grade milk prices were down five cents to \$12.38. That's the one that's supposed to be supported at \$12.80. However, it's not peculiar to Oc-

tober and November but it's really the same uniform price you were getting a year ago in December 1980.

All of this money that you put into the Louisville Plan fund and the seasonal differentials on Class II milk make the numbers go up and down, but when you get to the bottom line, the market price has been the same for a year.

Over or Under

Dairy farmers are divided on whether they are over producing ten pounds of milk for every 100 pounds they send to market if the public is under consuming. If it's over produced, we need a reduction of 50,000 pounds of milk a year by each dairy farm or get 25,000 farmers to quit milking cows. If you believe the answer is getting people to eat more dairy products, then all we have to do is increase per capita consumption by 12 percent.

The second idea has the most appeal for young farmers, but all dairymen in Pennsylvania will have an opportunity to decide next spring when the Department of Agriculture conducts a referendum to determine if producers want to contribute equally to finance the efforts to get that 12 percent increase in dairy product consumption.

The details will be worked out by the Dairy Promotion Advisory Committee before Christmas but it looks like about 10 cents per hundred contribution to provide a \$9 million fund for advertising Pennsylvania dairy products.

Some farmers are paying more than that now but all other programs would be discontinued and everyone would pay the same rate based on his milk production. Watch for more details.

York ASCS announces election results

YORK — The York County Agricultural Stabilization and Conservation Service recently held its elections for 1982 committeemen.

Elected chairman of the county committee was Richard L. Deardorff, with William Nace selected as vice chairman. Glenn P. Warner makes up the third member of the county board with Dean Maiford and Geary Huntsberger serving as first and second alternates, respectively.

The following community committeemen were elected:

- Community #1**
Fairview and Newberry Townships
Geary W. Huntsberger, R1 Etters, E. Wayne Beshore, R1 New Cumberland, Robert G. Traver, Lewisberry, Eugene W. Ort, R2 Etters, Henry W. Brenner, R2 York Haven
- Community #2**
Carroll, Monahan & Franklin Townships
Guy M. Hoffman, R2 Dillsburg, Paul A. Myers, R3 Dillsburg, Fred S. Kimmel, R1 Dillsburg, Norman H. Shelly Sr., R5 Dillsburg, Philip Van Lieu, R1 Dillsburg
- Community #3**
Warrington & Washington Townships
Gary Altland, R1 Wellsville, Ray E. Orner, R2 Dillsburg, Roy E. Berkheimer Jr., R1 Wellsville, Sterling J. Mummert, R2 Dillsburg, Dale E. Myers, R1 Wellsville
- Community #4**
Conewago, East Manchester & Manchester Townships
Doll L. Zirkle, R2 Manchester, Noah B. Hershey, R1 York, Russel Rentzel, R1 Mt. Wolf, Blaine Knepper, R5 York, Eugene B. Taylor, R2 Manchester
- Community #5**
Dover & West Manchester Townships
Richard E. Stough, R6 York, Walter S. Laird, Dover, C. Fred McGhee, Dover, Albert Garber, R6 York, Richard A. Dettler, R2 Dover
- Community #6**
Jackson & Paradise Townships
Donald M. Eyster, R4 Spring Grove, Rodney C. Eisenhart, R1 Thomasville, Carlton L. Jacobs, R1 East Berlin, Philip D. Laughman, R2 Thomasville, George L. Ruth, R1 East Berlin
- Community #7**
Springettsbury, Hellam & Spring Garden Townships
Marlyn E. Miller, R11 York, Ellsworth E. Lehman

Jr. R11 York, Radford Keeney, R11 York, Preston E. Chronister, R7 York, Larry Ampacher, R7 York

Community #8
Windsor & Lower Windsor Townships
Clayton C. Tyson, R3 Red Lion, David S. Eavns, R12 York, Richard E. Workinger, Windsor, Elwood E. Chronister, R2 Windsor, Richard Stauffer, R12 York

Community #9
York & Springfield Townships
N. Emmert Sweetzer, R2 Seven Valleys, Dennis L. McWilliams, R2 Seven Valleys, Emory E. Beck, R2 Seven Valleys, Andrew S. Myers, R1 Dallastown, John W. Hunt, R1 Seven Valleys

Community #10
Chanceford & Lower Chanceford Townships
Henry E. Tyson, R2 Airville, Robert Jordan, R1 Brogue, Desola Burchett, R1 Airville, Ray E. Bacon, R2 Felton, Ellis Crowl, R2 Airville

Community #11
Fawn & Peach Bottom Townships
L. Earl Gross, Fawn Grove, Eugene D. Scott, R1 New Park, David Wilson, R1 New Park, Charles E. Richardson, R1 Fawn Grove, John M. Brown, R1 New Park

Community #12
Hopewell, North Hopewell & East Hopewell Townships
Harold R. Miller Jr., R3 Stewartstown, John W. Marsteller Sr., R3 Stewartstown, W. Dean Manifold, R2 Stewartstown, Roy G. Jackson Jr., R3 Felton, Daniel Wolf, R2 Stewartstown

Community #13
Shrewsbury Township
Vernon L. Sieling, R1 New Freedom, Harry C. Wolf, R1 New Freedom, John S. Thompson, Shrewsbury, Luther S. Arendt, R1 Glen Rock, Aaron A. Ampacher, R1 Glen Rock

Community #14
Codorus & Manheim Townships
Donald E. Meckley, R3 Glen Rock, Roy D. Gladfelter, R3 Glen Rock, Clark A. Thomas, R3 Glen Rock, Carl E. Close, R1 Glen Rock, Preston O. Gantz, R1 Seven Valleys



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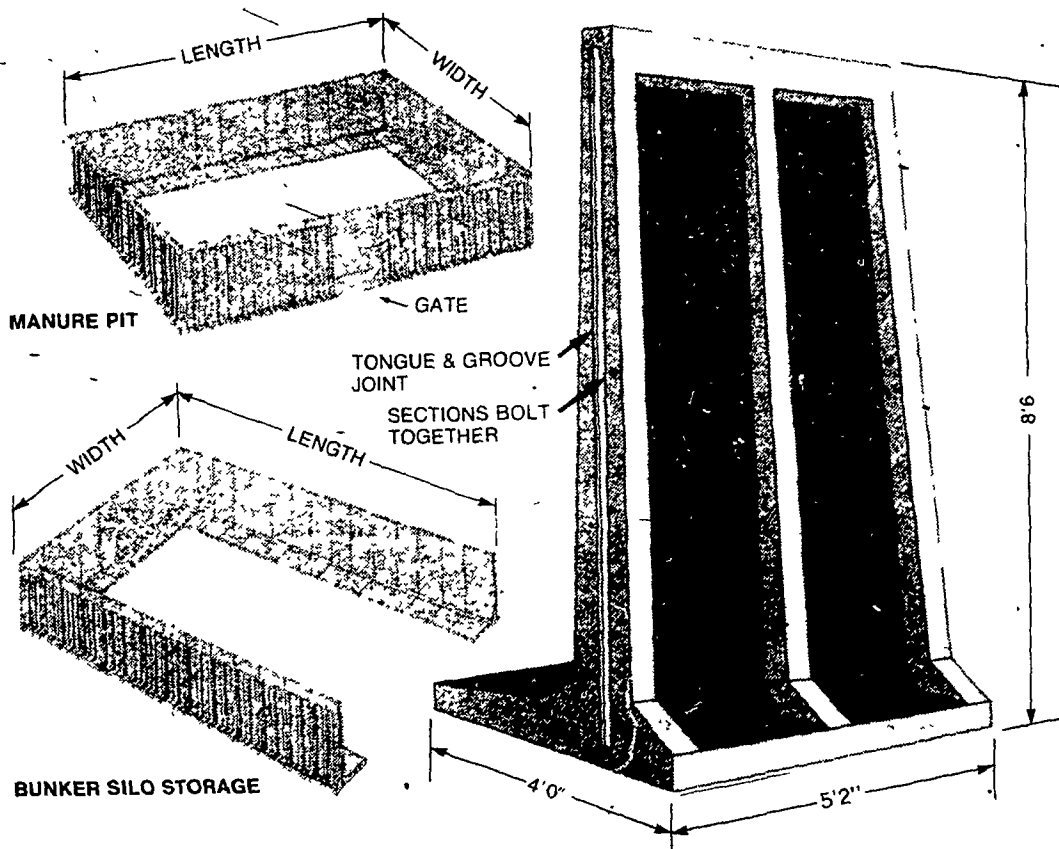
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50	431	576	720	862
30	485	648	808	971
100	539	720	900	1078
110	593	792	989	1187
120	648	864	1080	1296
130	688	936	1170	1376
140	755	1008	1260	1510
150	808	1080	1350	1616

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Seedmen get exclusive rights to variety production

WASHINGTON, D.C. — The U.S. Department of Agriculture has issued certificates of protection for 19 new seed varieties that give their owners exclusive rights to reproduce the varieties in the United States for 18 years.

Thomas H. Porter, an official with USDA's Agricultural Marketing Service, said the newly protected varieties are alfalfa, dwarf snap bean, large lima bean, caper spurge, cotton, soybean, common vetch and common wheat.

Porter said certificates of

protection are granted after a review of the breeders' records and their claims that each new variety is novel, uniform and stable.

Among the newly protected varieties are: Hy-phy alfalfa developed by FFR Cooperatives, West Lafayette, Ind.; Lindo garden bean developed by Royal Sluis, Enkhuizen, Holland; the Dompe 95 large lima bean developed by Ben Fish and Son, Crows Landing, Calif., and Chico caper spurge developed by Wilbur A. and Eva M. Henderson, Chico,

Calif.

The Agronomy & Soils department of Auburn University's Agricultural Experiment Station, Auburn, Ala., received protection certificates for four new varieties of common vetch: Cahaba White, Vantage, Nova II and Vanguard.

New soybean varieties and their developers are: GT 1380, AP 71, and HP 3700, North American Plant Breeders, Mission, Kan.; 0877, Pioneer Hi-Bred International, Inc., Des Moines, Iowa; Hartz 936X, Jacob Hartz Seed Co., Inc., Stuttgart, Ark.; A1937, Asgrow Seed Co.,

Kalamazoo, Mich.; PL 707743, Soybean Research Foundation, Inc., Mason City, Ill. and FFR 668, FFR Cooperative, West Lafayette, Ind.

Cotton varieties are Coker 3131, Coker's Pedigreed Seed Co., Hartsville, S.C., and Rogers LG 102, Rogers Delinted Cottonseed Co., Waco, Texas.

Also protected was S78 common wheat from Pioneer Hi-Bred In-

ternational, Inc., Hutchinson, Kan. Coker 3131 cotton, Hartz 936X soybean AP 71 soybean will be sold only as a class of certified seed.

The Plant Variety Protection program is administered by USDA's Agricultural Marketing Service. It provides marketing protection to developers of new and distinctive seed-reproduced plants ranging from farm crops to flowers.

Fertilizer use hits record high

WASHINGTON, D.C. — U.S. Fertilizer Consumption reached a record high 53.2 million tons during fiscal 1981 that ended June 30. That's up 1 percent from a year earlier and record high for the second straight year.

Increase came despite the fact that the top two users, and 6 of the top 10, used less fertilizer than the year before.

Illinois remained the top fertilizer user, though its total, at 4.26 million tons, was down 5 percent from a year earlier. California remained the No. 2 user though its

total, at 4.17 million tons, was down 7 percent from a year earlier.

Iowa held the No. 3 slot with a 4.05 million total that was up 4 percent from a year earlier. Texas moved up to No. 4 with a 2.96 million ton total that was up 5 percent from that of 1980.

Indiana dropped to No. 5 with a 2.72 million ton total that was down 5 percent from a year earlier. Minnesota moved up from No. 7 to No. 6 with a 2.48 million ton total that was up 7 percent from that of 1980.

Ohio dropped to No. 7 (from No.

6) though its total, at 2.42 million tons, was up 2 percent from a year ago. Georgia held the No. 8 position with a 2.20 million ton total that was up 2 percent.

Florida held the No. 9 position, though its total, at 2.08 million tons, dropped 2 pct. and Nebraska held the No. 10 position, though its total, at 1.98 million tons, was off 8 percent from a year earlier.

The top 10 states used 29.3 million tons, 55 percent of the total, down slightly from the 29.5 million tons, 56 percent of the 1980 total.

Perry Co. ASCS elects officers

KISTLER — The Perry County Agricultural Stabilization and Conservation Committee held their annual convention for the purpose of electing members and officers here on December 16.

Delegates to the convention were composed of the recently elected committeemen who were elected by the local farmers. They are: Blain Community — Clark W. Bower, William E. Gray, Nevin G. Rices. Duncannon Community — J. Owen Ebersole, Clyde S. Gault, Porter D. Hostetter. Green Park Community — L. Gene Lyons, Robert W. Weibley, Dale B. Smith. Liverpool Community — G. Keith Byers, James L. Wright, Jr. Newport Community — Robert T. Gabel, Richard H. Bratton, Richard L. Maurer. Elliottsburg,

Shermans Dale Community — Charles Lupfer.

At the meeting William Gamber of Duncannon was reelected to a 3-year term on the county committee. Gerald Holman of Millerstown was reelected chairman and William Gamber, vice chairman. Kenneth Morrow of Blain is the third member of the committee. Also elected were Dale Smith of Elliottsburg and Richard Bratton of Millerstown as alter-

nates to the county committee.

After the balloting was concluded, Gerald Holman, chairman, presented certificates and pins for years of service on the county and community committees. Those receiving the awards were Clark Bower, 15 years; J. Owen Ebersole, 15 years; Robert Gabel, 15 years; Dale Smith, 20 years; Charles Lupfer, 20 years; Kenneth Morrow, 25 years; and William Gamber, 30 years.



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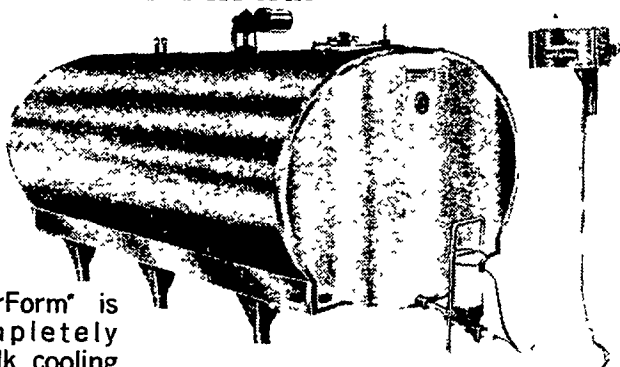
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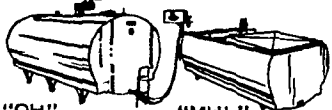
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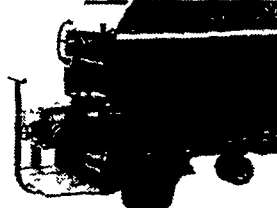
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Lee's Bridge, Chester County

— Photo by Dick Anglestein

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Corn Growers urge clarification on U.S. grain export policy

CEDAR RAPIDS, Iowa — "Immediate clarification of the Reagan Administration's grain export and credit policies to Eastern Europe and the Soviet Union is urgently demanded. This prolonged period of uncertainty and confusion about this issue has, and continues to be, disastrous for U.S. commodity prices," Bill Mullins declared last Wednesday.

Mullins, a corn and grain farmer in Shabbona, Illinois, is president of the National Corn Growers Association. He also emphasized that the NCGA board of directors, corn grower leaders from sixteen states representing more than 90 percent of U.S. corn production, and meeting in Cedar Rapids, Iowa, was unanimous in "... seeking clarification of world trade policies from the Reagan Administration. Coupled with a record 1981 corn harvest and the potential for record carryout corn stocks," Mullins noted that "any restrictions 'throughout any devices' on U.S. farmers' access to world grain import demand will only compound the severe cost-price squeeze on U.S. farmers' income."

Mullins also expressed the collective mood of frustration and dismay of the NCGA Directors that the Reagan Administration has not learned from the discredited and ineffective policies of previous administrations about manipulating U.S. food and feed grain export trade in attempting to gain international political goals. He warned that now, as well as in the past, "such efforts will fall far short of obtaining the desired political goals, all the while U.S. corn farmers would suffer inordinately large financial losses not shared equitably throughout the U.S. economy."

Moreover," Mullins continued, "even before the disturbing developments in Eastern Europe this weekend, it is now apparent that the Reagan Administration was, and now is, putting into place bit by bit the de facto but undeclared grain embargo." While candidate Reagan promised to "lift the Carter grain embargo, President Reagan has not moved to allow U.S. corn farmers to have access to grain import markets in Eastern Europe and the Soviet Union."

The National Corn Grower President cited the following recent developments during the past months as sufficient evidence that the Reagan Administration put into place the most difficult type of embargo to understand and describe — undefined, undeclared, and outside the scope of legislative recourse:

- Inconclusive negotiations to reach a realistic and workable US-USSR shipping agreement;

- A lack of any initiatives or proposals to re-establish agricultural trading relations with the Soviet Union because of any number of ever changing developments around the world;

- Suspension of U.S. government credits for corn shipments to Poland;

- Congressional resolutions urging President Reagan to use trade embargoes in retaliation for various unacceptable international political developments.

"Because of these and other developments, various Administration spokesmen have sent, and continue to send 'signals' to the Soviet Union that there will not be any normalization of overall commercial and grain trade relations — irrespective of USSR international behavior concerning Poland," Mullins pointed out. "The previous lack of substantial Soviet grain buying from the United States is the direct result of these 'signals' that an 'embargo' was in place through uncertainty about the ill-defined intentions of the Reagan Administration.

"The immediate and selective action yesterday of singling out and restricting U.S. food shipments to Poland, plus repeated 'signals' throughout the 1981 about embargoing U.S. grain exports to the Soviet Union, have depressed corn prices to the low levels experienced immediately following the Carter grain embargo on January 4, 1980," Mullins explained.

"This price situation — produced mainly by government inaction in international trade — cannot be tolerated any longer by U.S. corn farmers. In addition, the Reagan

Administration should be forthcoming and direct with U.S. farmers — either declare a complete embargo of all U.S. goods and services, or allow farmers to have access to all foreign markets enjoyed by farmers in all other grain producing countries." However, to curtail and regulate U.S. grain exports are simply incompatible with a market-oriented grain production program.

Mullins informed the press that the corn farmers on the NCGA board of directors were unanimous in calling for the implementation

of the following programs for corn growers if either the current state of confusion and uncertainty continues or a formal grain export embargo is declared against Eastern Europe and/or the Soviet Union:

- A 20 percent paid average diversion program for corn farmers in 1982;

- Reinstatement of first year interest free loans along with immediate and unlimited access to both regular loan and farmer owned reserve programs;

- Unlimited farmer access to CCC funds for financing farm

production and operations;

- Increased government incentives for alcohol fuel programs;

- Restriction of U.S. agricultural equipment, machinery and production inputs to other grain producing countries;

- Triple the foreign market development budget for USDA's Foreign Agriculture Service;

- Completely lift, within ten days, the loan restrictions on U.S. food shipments for the Polish people.

(Turn to Page C7)

Peace on Earth



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13 herds found infected with bovine tuberculosis in 1981

WASHINGTON, D.C. — Thirteen livestock herds containing nearly 4,000 animals were found to be infected with bovine tuberculosis during the fiscal year which ended Sept. 30, U.S. Department of Agriculture officials said.

"This continues the generally decreasing trend of tuberculosis infection in U.S. cattle herds during the past ten years," said Ralph Hosker, a veterinarian with USDA's Animal and Plant Health Inspection Service. "In 1971 there were 67 herds found infected with the disease."

All animals in the 13 herds were slaughtered to eliminate the disease and the owners paid a total of \$1.4 million in federal indemnities, Hosker said.

"We're inclined to forget that bovine tuberculosis is also a

human disease," Hosker said. "Bovine tuberculosis can cause hunchback, which rarely occurs today. The disease was usually spread by humans drinking raw, unpasteurized milk or by handling infected raw meat. Today's meat inspection programs and milk pasteurization are designed to help protect people from the disease."

"Tuberculosis is an insidious disease with a delayed incubation that may have a long-term effect on exposed animals remaining in a herd," he said.

"The last 5 herds authorized for destruction during the 1981 fiscal year had 550 cattle and 5 swine," Hosker said. These herds were

located in Vermont, West Virginia, Illinois, Kentucky and Puerto Rico.

"Thanks to a broad range of detection and surveillance techniques, we are able to find and remove these sources of tuberculosis infection," Hosker said. "If left undetected, they could have spread the disease unknowingly to other herds."

Hosker said the Vermont herd was a 185-head dairy operation near Enosburg Falls. The infection was found through tuberculin testing required in the communities where the milk was sold.

Meat inspectors helped find the disease in three other herds when

they reported lesions resembling those of tuberculosis in the carcasses of slaughtered cows. USDA officials traced the animals to their owners and confirmed these infections through testing and laboratory diagnostic procedures; 166 head of cattle near Blot in Boone County, Ill.; a 66-head herd near Capon Bridge, W. Va.; and 85 cattle and 5 swine at Summer Shade in Metcalfe County, Ky.

Also, Hosker said, APHIS authorized the slaughter of a 45-head herd at Noguabo, Puerto Rico, because animals had been intermingled with another herd found to be infected this past summer.

The other eight herds destroyed during fiscal year 1981 were: three in Alabama, two in Puerto Rico and one each in Arkansas, Texas and Hawaii.

Hosker said veterinarians confirm infection in cattle herds by tuberculin testing, examining carcasses of those with positive test reactions, and culturing tissues with lesions resembling tuberculosis. The APHIS National Veterinary Services Laboratories at Ames, Iowa, does the diagnostic laboratory work. An infection is confirmed only after the causative

bacterium, *Mycobacterium bovis*, is isolated.

Federal and state officials check for tuberculosis through meat inspection reports, milk ordinance testing, screening tests and testing of livestock for sales, shows, interstate and export shipments. In addition, veterinarians on occasion test all herds adjacent to an infected herd or within a designated area.

Whenever herds are destroyed, the premises must be thoroughly cleaned and disinfected and remain free of livestock for at least 30 days.

Hosker said infected or exposed herds are destroyed whenever possible, since the disease returns some 25 to 30 percent of the time when less stringent measures are undertaken.

The cooperative state-federal bovine tuberculosis program began in 1917 when about five percent of all cattle were infected. Now, the infection rate is less than one-tenth of one percent, he said.

According to Dr. Max Van-Buskirk, Jr., chief veterinarian for Pennsylvania's Bureau of Animal Industries, Pennsylvania has not had a tuberculosis outbreak since 1978.

Corn growers

(Continued from Page C6)

In concluding his remarks, NCGA President Mullins called on Agriculture Secretary Block to arrange for an immediate meeting of the NCGA farmer officers with President Reagan.

"Such a meeting would allow the President to focus solely on, and hopefully appreciate better, the financial plight in which the U.S. government is placing U.S. corn farmers," said Mullins. "President Reagan — and particularly his economic advisers — must clearly understand the long

term ramifications to both the national and farm economics, should he move to embargo corn exports. Failing to gain full and complete cooperation of other exporting countries in a grain embargo will only accelerate the collapse of U.S. corn prices, now below \$2 per bushel in several farm states. Moreover, the shift of Soviet grain import demand to the other markets will allow the grain exporting countries to gain a permanently higher percentage of world grain trade to the disadvantage of U.S. corn growers."

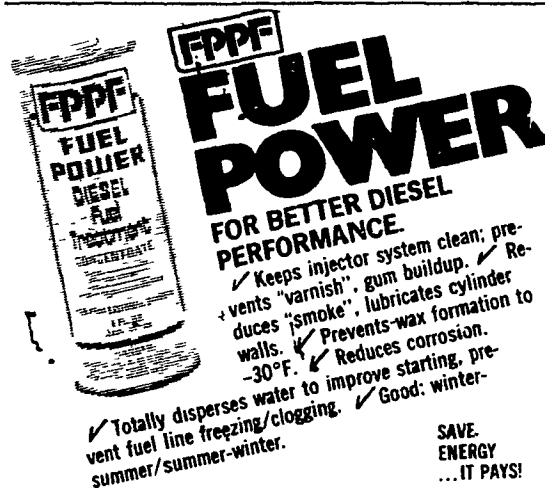
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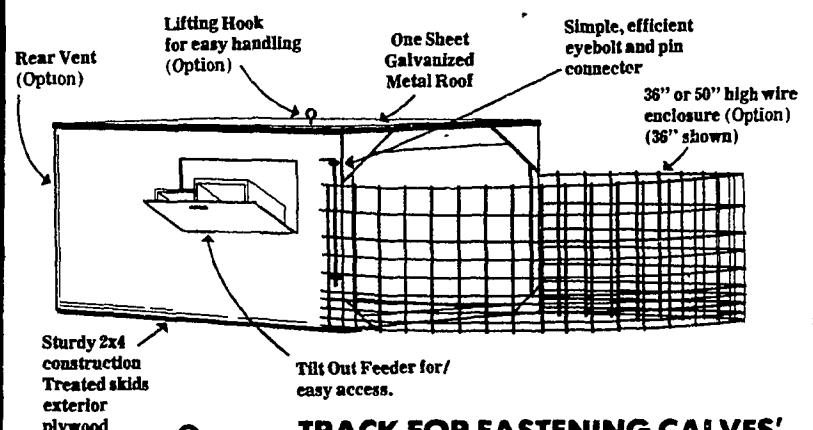
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USDA yearbook asks... 'Will there be enough food?'

WASHINGTON, D.C. — Americans—farmers and non-farmers—need to face up to a number of problems "if we're to keep doing a good job of feeding ourselves and helping to feed the world," according to Secretary of Agriculture John R. Block. The remarks are part of his foreword to the 1981 Yearbook of Agriculture, issued today and titled "Will There Be Enough Food?"

Problems discussed in the book include loss of prime farmland, whether agricultural productivity is leveling off, soil erosion, diversion of agricultural resources from food production to meet energy requirements, water and soil pollution, and food shortfalls in the world.

"Meals by the millions," Secretary Block writes, "call for a productive, healthy agriculture—

which in turns means jobs—jobs by the millions in factories and stores, in processing and storage, in finance and transportation, in laboratories and offices, in supermarkets and fast food shops. Agriculture keeps the wheels of the economy turning.

"Overseas, American food is major markets and a positive agricultural balance of payments. We sell much more food abroad than we buy from foreign nations. With the difference we can buy oil, minerals, and other non-food products that are used in every home."

The 344-page 1981 Yearbook may be purchased by sending a check or money order for \$7 to Superintendent of Documents, Washington, D.C. 20402. Sales copies also are available at government bookstores in a

number of cities. In addition, members of Congress have limited numbers of the Yearbook for free distribution to constituents. The Agriculture Department has no copies for sale or public distribution.

Will there be enough food in a world where hunger is as old as history, and never more than one crop away? Procarious as the world food situation is, some of this book's writers things are getting better.

However, world dependence on the U.S. for agricultural supplies is likely to increase significantly, two writers believe. On an upbeat note, a number of writers feel that new scientific developments on the frontiers of science may revolutionize today's agriculture, boosting farm productivity.

In the Yearbook's final chapter,

Professor Emeritus Don Paarlberg of Purdue University says "no one doubts that our farmers will be able to satisfy the food needs of domestic consumers; concern arises about our ability to meet the projected needs of other countries."

In his opinion, the world food situation is improving—with the possibility of even further improvement.

Chapter titles include: "Farm Productivity, Key to Our Level of Living," "A World That's Fed Better Than Ever Before," "Frontiers of Science to Tomorrow's Food," "The Land

and Water Squeeze on Our Food," "U.S., Farm Groups Build Markets—and Income," "Food Aid: Where Dollars Help Abroad," and "Americans Pitch In to Fight World Hunger."

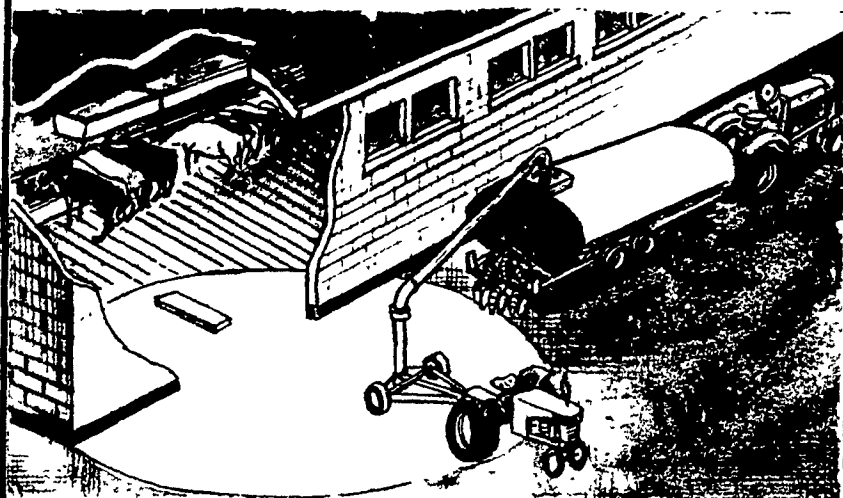
Subjects include changes, improvements, and emerging problems in U.S. food production, processing, and marketing; and the vital part U.S. commercial food exports play in our balance of payments.

The hardback book has 32 pages of color photographs, over 100 black and white photos, and an index. There are 30 chapters.

This Publication is available in Microform.

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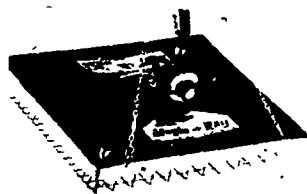
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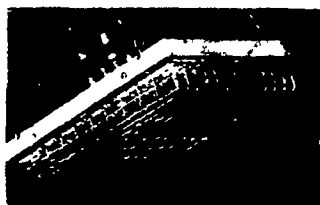
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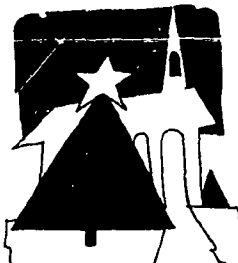
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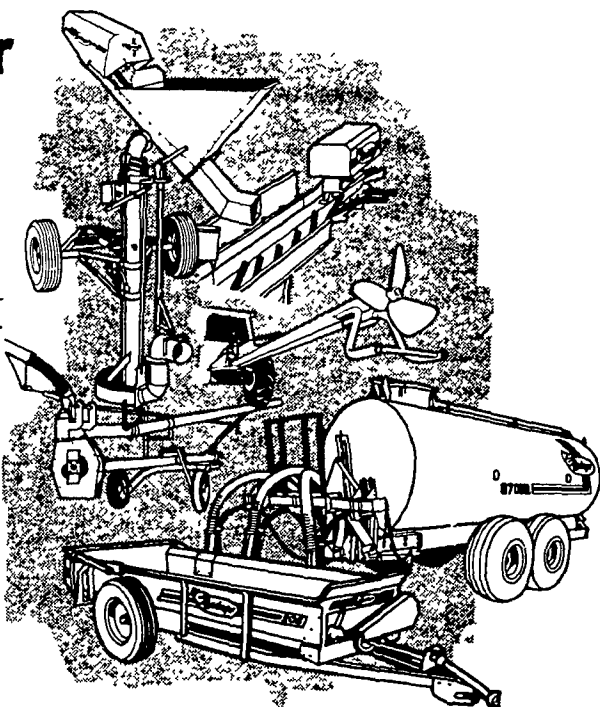
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Shippensburg man to participate in Livestock Marketing Outlook

KANSAS CITY, Mo. — Ten Directors of Livestock Marketing Association will take a close look at conditions that will have an impact on livestock marketing in 1982, at the Trade Group's annual meetings, Jan. 14-16.

"Marketing Outlook '82" is a featured part of the meetings, and will be held Jan. 16 at the meeting headquarters, the Riviera Hotel in Las Vegas, Nev. The session will be moderated by veteran industry journalist and LMA communications consultant Charles R. Koch.

Talking about conditions in their region will be these members of LMA's Board of Directors: Urban J. "Shorty" Arnzen, Cottonwood, Idaho; Met Johnson, Cedar City, Utah; Jerry Bales, Huron, S.D.; Joe Hathoot, Texarkana, Texas; Gerald L. "Gary" Hiller, Columbia, Ohio.

Also participating will be Duard Sullivan, Dickson, Tenn.; Wayne

F. Craig, Shippensburg, Pa.; Charles E. Leask, Regina, Saskatchewan; Lex Rutherford, Toronto, Ontario, and Eduardo Christensen, Monterrey, Mexico.

Christensen works for a large Mexican conglomerate that has numerous interests in agriculture. The rest of the directors are veteran livestock marketing businessmen.

"First-hand reports from the people who know marketing and the factors influencing it are the reasons why our annual 'Outlook' session is so popular," LMA President Lemmy Wilson said.

Each director has been asked to report on conditions in his general trade area, including such factors as livestock numbers and movement patterns; the availability and costs of such things as forage, feed and financing; transportation availability and costs; the current regulatory climate, and the marketing

sector; how businesses in the region are doing, what new services are being offered, and other related topics.

"Outlook '82" will follow an address on the general economic climate and its effect on the marketing sector by Economist Sheldon Stahl, former senior economist with the Kansas City Federal Reserve Bank and former deputy governor of the Farm Credit Administration.

Now a private consultant, Stahl is well-known throughout the Midwest for his knowledge of the agricultural economy.

The meetings will also include the installation of LMA's 1982 officers and directors. The agenda also includes meetings of several of LMA's allied and affiliated organizations, including the Livestock Laws Reform Com-

mission and the semi-annual meeting of Livestock Merchandising Institute's Board of Governors.

The five presidents of LMA since it consolidated with the National Livestock Dealers Association in 1976 will also be honored.

USDA reports export sales

WASHINGTON, D.C. — Private exporters reported to the U.S. Department of Agriculture changes in destination from "unknown" to China for 100,000 metric tons of soft red winter wheat for delivery during the second year of the U.S.-China Grain Agreement.

Exports will be made during the 1981-82 marketing year, which runs from June 1 to May 31.

To date, China sales and exports of wheat and corn for delivery during the first agreement year—Jan. 1 to Dec. 31, 1981—total 8,336,200 tons, 7,832,400 tons of

wheat and 503,800 tons of corn.

This includes 2,759,000 tons of wheat and 215,100 tons of corn for the 1980-81 marketing year, and 5,073,400 tons of wheat and 288,700 tons of corn for the 1981-82 marketing year.

China sales for delivery during the second agreement year—Jan. 1 to Dec. 31, 1982—total 2,225,000 tons, 2,195,000 tons of wheat and 30,000 tons of corn.

This includes 1,795,000 tons of wheat and 30,000 tons of corn for the 1981-82 marketing year and 400,000 tons of wheat for the 1982-83 marketing year.

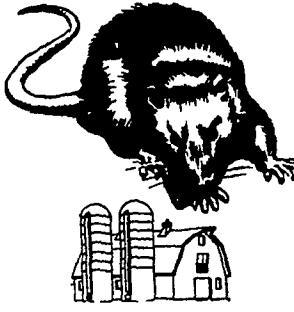
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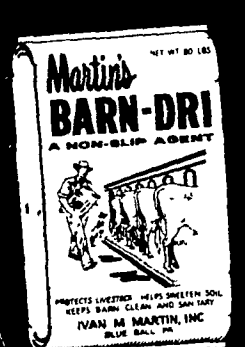


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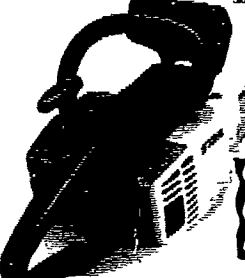
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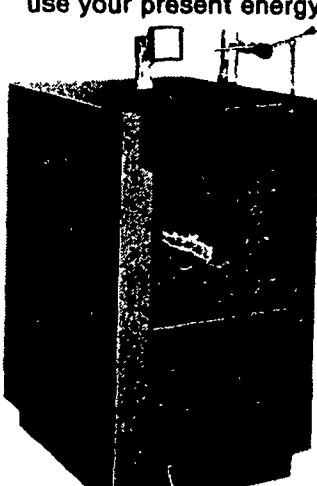
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Brunner is FmHA assoc. administrator

WASHINGTON, D.C. — Michael E. Brunner, U. S. Department of Agriculture legislative officer and former congressional aide, last Monday was appointed associate administrator of the Farmers Home Administration by Secretary of Agriculture John R. Block.

FmHA is the rural credit agency of USDA that provides credit assistance to rural residents unable to obtain commercial credit.

As associate administrator, Brunner will help direct the activities of about 8,500 full-time

employees in the national office in Washington, D.C., and in 344 state and district offices and more than 1,950 county offices.

As a USDA legislative officer, Brunner specialized in marketing and inspection services for seven agencies under Assistant Secretary C. W. McMillan.

Before joining USDA in April 1981, he was director of congressional relations for the American Meat Institute in Washington. Previously, he served as legislative assistant to Rep. Garry Brown (R.-Mich.) from 1975 to 1977, and to Rep. Orval Hansen (R.-Idaho) from 1973 to 1975.

In 1972 and 1973, Brunner was assistant director of administrative services for the Education Commission of the States, Denver, Colo., and served on the audit staff of the CPA firm of Ernst and Ernst in Denver from 1970 to 1972.

As an army captain, he was detachment commander of a preventative medicine unit in Korat, Thailand, from 1968 to 1969.

He also was an accounting instructor on the faculties of the University of Indiana and Bowling Green State University.

Brunner, 38, is a graduate of Bowling Green State University, Bowling Green, Ohio, where he received his bachelor of science and master of business administration degrees. He also earned a master of public administration degree at George Washington University, Washington, D. C.

He and his wife, Elizabeth, live in Arlington, Va., with their 11-year-old twin sons, Alan and Jeff. Brunner is active in community activities, serving as deacon of the Little Falls Presbyterian Church and as a member of the Arlington County School Board.

USDA charges Eastern packer with P&S violations

NEW YORK, N.Y. — The U.S. Department of Agriculture has charged ITT Continental Baking Co., Rye, N.Y., with violating fair trade requirements of the Packers and Stockyards Act through the operations of the Gwaltney meat packing division in 1978, 1979 and 1980.

ITT no longer owns the Gwaltney meat packing operation, according to B.H. Jones, administrator of USDA's Packers and Stockyards Administration.

Gwaltney is a major meat packer in the Eastern seaboard marketing area. In 1979, it was among the four largest firms that accounted for 40 percent of the total hog slaughter in Eastern seaboard states, and over 75 percent in the areas of Maryland, Virginia and North Carolina.

Jones said USDA has charged ITT Continental, through the operation of Gwaltney, with engaging in unfair trade practices during 1978, 1979 and 1980 by:

— Paying for various "customer outings" to vacation and sporting sites for selected retail food chain store employees who were responsible for buying meat for their firms;

— Making discriminatory "distribution" or "stocking

allowance" payments to four separate retail food store chains, while not making similar payments available on proportionately equal terms to all of its retail food store customers which competed with the four chains;

— Conducting a cooperative advertising program with some of its retail food store chains, while not offering similar programs to all competing customers on a proportionately equal basis;

— Making payments to certain food store chains on the basis of a flat amount for advertising Gwaltney meat products rather than for the actual cost of the advertising; and

— Making advertising payments to certain food store chains which exceeded the actual cost of the advertising.

"Filing of the complaint doesn't prove ITT Continental has violated the Packers and Stockyards Act through Gwaltney's operations," Jones said. "The firm has a right to a hearing to determine if the evidence supports the charges.

"If the charges are proven, the firm would be placed under a cease and desist order," he said. "It could also be ordered to pay a civil penalty.

The Packers and Stockyards Act is a fair trade practices law. It is designed to promote fair and open competition in the marketing of livestock, poultry and meat.

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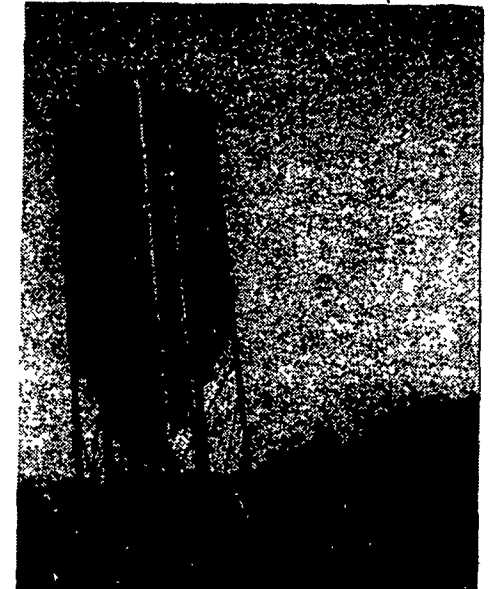
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1976 Gleaner FD w/air and both heads (1 local owner); JD 6600 Side Hill turbo, hydro, floating cutter bar, and choice of corn heads, real nice; Used JD 8820 fully eq. like new w/grain and 843 C.H., 1979 MF 550D, excel. w/grain and corn heads. 1975 MF 510 hydra. w/grain and corn. 1973 Int. 915 gas w/grain head under \$10,000. 1976 Gleaner K w/cab and grain never used in corn, MF 510D Hydrostatic w/mud hog rear wheel drive w/Quick tach grain and 44 Lo Profile corn head. 1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head, JD 6600 D w/air & 13 Ft. grain. JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain and 844 C.H., Int. 810-15 ft. floating cutter bar, Oliver 25 w/cab.

1977 Int. 915 w/rear wheel drive, grain and 863 C.H.; Late model Int. 903 w/cab, N.H. 985 w/cab and grain and 3 row 30" C.H. or 4 row 38" C.H.

N.I. 702 D w/767 Super Chopper. N.I. 702 D w/husking bed and 3 row C.H., N.I. 702 w/729 A sheller, 702 D w/rebuilt motor. JD 643, 243, 444 C.H.; NI 325 w/12 roll 324 w/12 roll; New Farmall 986 w/Rops \$18,800; New MF 2705 cab, air, \$27,000; New N.H. 489 haybine; New N.H. 315 Baler; N.H. 268 Baler w/thrower; N.H. 68 balers w/throwers; NI 323 one row \$2475.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, new JD 4240 C.A. Q.R., Oliver 1855 w/factory cab. Farmall 560 D WF, Used Farmall 1086 w/R.G., Canopy, White 2-105 w/roll guard, ACKT190 real nice, Ford 4000D w/1400 hrs. excl., M.F. 165 Tri D. N.H. 1010 Bale Stack Wagon, 3 new Bush Hog Chisel plows 9 & 11 ft. all w/gauge wheels; Used JD 2640 (SOLD). Corn Heads. Gleaner K330, FL430, E330, A430 for F or F2, MF 421.

New John Deeres 4240 w/Roll Guard & Q.R. \$24,900; New 4040 w/Power Shift and R.G. for \$23,950, JD 3020 w/Diff Lock; JD 2020, Used Farmall 886 w/R.G. real nice, 1066 w/red cab, 560 tri D. F.H., Farmall 560D w/2000 loader, Farmall 1256 w/cab & air, 1970 JD 4020 W.F., 2 New Haybines, New Gehl 1090 9' for \$4450, New NI 299 for \$4250, (3) real nice balers, Int.

445 baler w/thrower just like a new one \$3500 less than dealer cost. NH 320 w/thrower, used 1 season. NH 277 w/thrower, JD 24T w/#30 kicker

Corn Heads JD 643, 444, 334, 235, Massey Ferguson 44, 63, 43, 24, 33, 222, 422, Gleaner G435 L438, F430, F438, A430, E240, K238, F335, F330, K330, N.H. 4-row quick tach, Int. 864, 844, 843, 744, 743, 227, NI 4-row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 744 for 715, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444, \$7350. Just Rec. - New JD 643 for \$10,800, used White 704N, 706N C.H. used JD 444 for \$3500.

Nine Tractors just dealt for. New AC 185D w/roll guard, used Farmall 886 w/cab w/800 hrs., John Deere 2640 w/R.G. 2440 w/R.G. 2840 for \$12,000, 3020 utility D w/148' loader, 5020 w/large tires, Ford TW20 w/cab (damaged, call for details).

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 5020 original w/dual wheels; JD 2940 w/front wheel drive and cab, used 360 hrs. for \$18,800. JD 4430 CA Quad w/long axles for duals; JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4520 w/triple hyd. for \$11,900. Nice, JD 4320 for \$11,850. Farmall used 986 cab and air, 1566 cab and air w/new T.A., for \$18,000. Farmall 706 gas w/TA and 3 pt. original real good for \$4500. Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

CORN PICKERS - (new) N.I. 324 w/12 roll bed; NEW New Idea 325 w/12 roll bed, Used (4) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. JD 3800 2 row chopper

John Deere 6630-4 Wh. Drive w/3 pt. PTO & Dual Wheels, real nice, also AC #2600 - 28 ft. Hyd. wing disk, like new, J.D. 7520 w/3 pt. & Dual Wheels. JD 4020 w/58 Loader, Farmall 1206 w/cab. New JD 4440 cab, air, power shift. J.D. 4010 gas. JD 4020 gas \$4900. JD 4430 C.A. QR, 1970 JD 4020

w/roll guard; JD 4320 w/cab, 2-JD 1970 4020 w/dual hyd., 1970 JD 4020 Power Shift & Dual Hyd., Farmall 856 - nice.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 766 D; 1466 w/cab.

Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Gleaner E Combine w/cab, grain and corn head; Farmall 1206, 460 Gas w/F.H., Farmall, 756 gas, 560, 856 w/front wheel drive, Farmall Hi Crop-656 diesel, 756, Cub Loboy w/mower, Cub w/mower and F.H.

HARVESTERS. New Int. 720 w/2 row, JD 38 w/2 row pickup N.H. 770 w/2 row, J.D. 38 Chopper w/2 row, NI 3 row, Fox 2 row 30", Fox 3 row 30", Fox 2 row snapper head. JD 1 row snapper head like new.

ALLIS CHALMERS 7080 w/cab & duals \$18,800, 7040 w/cab, power shift like new, AC 200 w/cab & air, AC 185 - \$9,800, low hrs., 210 w/new 20.8x38 tires.

JOHN DEERE New JD 4440 cab, air, power shift, \$35,900. New JD 4440 cab, air Quad 34,500, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR, sharp. 4030, 5020 tractor puller, 1972 JD 4000 D P.S. 1 local owner sharp. 4010D w/WF, 730D, 720 D. 60 w/3 pt., 520. JD 3020 P.S. Gas JD, 4030 w/R.G. and Quad, JD 2030 D.

FARMALLS: New 986 Cab & Air, Used 1566 w/cab fully eq. w/duals, used 500 hrs. like new, 1586 w/cab, fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air, 1 owner-looks like new; used 1086 w/Rops, 966 black stripe w/roll guard, 1066 red cab & air, Used 686 w/cab & air for \$12,000, 1206 w/cab, 1206 w/fenders, 856 w/3 pt. and 38" tires, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, 766, 1456, 806, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. Int. 674, Int. 574, 460 Dsl. TA, nice, \$2275, 400 w/P.S. & F.H., Super C w/cult. and 7 ft. mower, Ford 6000 tri D for \$1975.00.

New White 2-105 w/cab \$22,850. Oliver 1755 w/cab and air; 1750 w/over and under, 1800 D W.F., Ford 4000 Tri D.

(Cheapies) JD G \$485, JD A \$485, MC 20 crawler w/blade & pulley 785.00,

MASSEY FERGUSON - 1130D, Super 90D for \$3400.00.

MF 165D w/heavy duty loader. MF 175D, sharp.

(Case) New 2090 Cab & Air, power shift \$23,950; 1977 Case 1070 power shift w/cab enclosure real nice, 1975 Case 970 w/4 post, P.S., 1070 P.S., 930 C.K.

Case 1370 - P.S., Case 970 w/P.S. Oliver 1858 & 1850 D. w/over & under shift 1950T w/cab, 2050; 1855 w/20-8 tires, Ford 9600 diesel w/dual power and dual wheels, Ford 6600 w/cab, like new, 6000 Commander, D Ford 4000 MM S670 diesel.

COMBINES - JD 7700 Diesel w/Fire Damaged cab. N.I. Demo 768 WN 3 row head, N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, JD 216 & 213 flex heads.

IND. EQUIPMENT - Int. 510 4 whl. drive payloador used 500 hrs. like new. Cat 955 crawler loader, Case 850 D dozer w/hydr. blade, Michigan 55B Diesel Payloador, Case 530D. L & B - \$4475, Skid Loaders - Bobcat Hydro 720, 700. Ford CLA0 Skid Loader, NH L35. 73 Komatser D. 655 power shift loader.

CORN PLANTERS - New & Used 7000 JD 4 row w/Inst., Used JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, JD 1240 plateless w/Inst. XX disk openers in exc. cond. new White 5100 four row planter fully eq. Bearcat 950 Grinder Mixer used twice, like new. Used Int. 1250 Gr. Mixer w/elect. scales - nice, N.H. 354 grinder mixer real nice \$3500.00; Int. 56 Blower for \$485.00. N.I. 325 picker w/sheller, NI 324 w/super sheller, NH 36 Flail Chopper like new. New Brillion 22' and 25' fold culti-mulchers. Call for old prices, Brillion 12 & 16 ft. packers.

JD #230 hydraulic fold wing disk; JD 220 hydraulic fold wing disk; White 252 wing disk.

New Case 8' row hydraulic fold cult. used N.I. 272 7 ft. cult/ditioner, JD #930 3 pt. R.H. JD #350 PTO drive 40 ft. elevator, used haybines, JD 1209, 1207, Hesston PT10, Case 550, NH 479, Grim Hay Tedder.

(New) NH 310 Baler damaged price \$1400.00 JD 17 disk

grain drill, JD 640 rake w/front wheel. Used Int. 400-6 row cyclo w/Inst. and Monitor for \$1800; White 6 row w/no til fert. fill, inst. and monitor, (3 offset Disks) J.D. #360 12 ft., Wilbeck 12' offset like new, Miller 14 ft. offset. JD Disks #210. Int. #480-22 ft. Wing Disk, Oliver 13 ft. heavy blade disk.

PLOWS - 2 Int. 6X spring reset, Int. 7X on land reset, 5X reset, John Deere #2600; 5X (SOLD) spring reset; JD #350-4X reset like new, JD 7X on land hydr. reset, Ford 5x18 spring reset, Ford 3x18 sp. reset, JD 2500 6x sp. reset.

JD, Int. 5, 6, 7 trip New Bush Hog 12 ft. pull type chisel plow. JD #1600 - 16 pt. pull chisel plow, JD 12 ft. 3 pt. chisel plow; New White 14 ft. field cult., Kawanee 22 ft. Wing Disk Kawanee 15 ft. Roller Harrow. JD 400 rotary hoe.

Loaders - used JD 148, JD 58 used Int. 2350, MF loader for 1105, Int. Fast hitch 3 pt. adapters, 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 4 Used 30.5 x 32 tires.

(Combines for Parts) JD 7700D, 105, 95 gas, Int. 715D, MF 510.

TRUCKS - 69 GMC cab over w/24 ft. Grove roll back body, 1980 Silverado Chevy diesel w/every option on, 1971 Ford - 3/4 ton pickup, 1976 Chev C85 w/7,000 miles w/14 ft. flat, like new; 1977 Delta 44 ft. Combine trailer, (New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, Direct cut head JD 3800 & 38. JD 3 row narrow silage head. (20) sets of dual wheels all sizes, JD front & rear weights, IH front and rear weights.

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WASHINGTON, D.C. — The U.S. Department of Agriculture's Swine Health Protection Act Advisory Committee has developed proposed guidelines for implementing a 1980 law which regulates treatment of food waste fed to swine.

The committee's primary recommendation is that USDA's Animal and Plant Health Inspection Service use survey teams to determine how well states are enforcing their own food waste feeding laws. Under the act, states have primary responsibility for assuring that food waste fed to hogs has been heat-treated to kill disease-causing organisms.

"This information will provide a baseline to tell us how to better implement the act," said C.W. McMillan, assistant secretary of agriculture and chairman of the committee.

"One of the central concerns of Congress in framing the act is the possibility of devastating foreign animal diseases such as African swine fever or foot-and-mouth disease being introduced into this country through feeding of untreated food waste."

In other actions, the committee reviewed draft regulations and recommended at least quarterly inspections of food waste-treatment facilities. Resolutions were also passed that:

—the Environmental Protection Agency approve the rodenticide "1080" for use in rodent control on food waste-feeding premises; and

—the Agency for International Development be encouraged to participate in the effort to eliminate African swine fever from Haiti and the repopulation of the country with healthy swine.

Currently, 16 states prohibit feeding food to waste to swine. All other states require cooking of such material prior to feeding. The 16-member advisory committee—representing state agricultural and animal health agencies, animal health organizations, the food waste feeder industry and swine producer organizations—stressed that the intent of the 1980 act is that the states maintain their own food waste feeding regulatory programs.

Variety resists Verticillium wilt

MINNEAPOLIS, MN — Northrup King Co.'s new Trumpetor Alfalfa, with moderate resistance to Verticillium wilt, was the industry's first resistant variety commercially available. A limited number of Midwest and Northwest growers planted the variety last spring.

Verticillium wilt, Europe's #1 alfalfa disease, was first discovered in 1976 in the Pacific Northwest. However, it wasn't until the summer of 1980 that it was discovered in the Midwest.

In addition to moderate resistance to Verticillium wilt, Trumpetor has resistance to Fusarium wilt and anthracnose. It is also moderately resistant to bacterial wilt, stem nematode, and common leaf spot.

Limited seed supplies of Trumpetor will be available for spring 1982 plantings in those areas affected by Verticillium wilt.

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NI loader, good shape, universal mount, came off of 4020 JD. \$495. 717-792-1366.

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JD 3010 diesel tractor w/148 front end loader, 2 buckets (5' & 8'), new motor, clutch & battery. 302-684-8993 or 302-684-4119

For Sale - Oliver 550 gas with good rubber. 717-733-6717

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Manure spreaders; Badger model 205, IHC model 550, Also Sun Master 7' Rotary mower, Chester County. 215-458-5023

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WET-CAST CONCRETE STAVE FARM SILOS



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JD 2010, good cond. 301-876-1956

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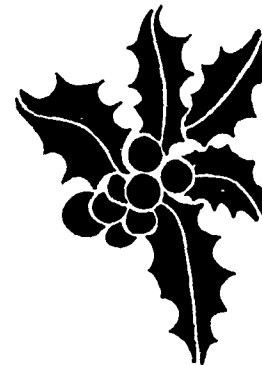
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1974 JD 4400 Dsl., Cab & Air, Choice of Heads
1973 JD 4400 Diesel, Cab, Choice of Platforms
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GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

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JD 4430 D, Cab, Air, Quad Range w/20:38 Tires
JD 4430 4 Post RG, Quad
JD 4320 Dsl. RG Cab
JD 4320 Dsl.
JD 4230 D, Cab, Air & Quad
JD 4230 Dsl.
JD 4000 Dsl. WFE
JD 4020 Dsl. WFE
JD 3020 Dsl. WFE Power Shift
JD 2030 Dsl. RG, 15.5 & 38 Tires
JD 2020 Dsl. Hi-Low
JD 1530 Diesel
JD 300 Dsl. w/Loader 3 Pt
JD 820 Diesel Utility 500 Hrs.
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IH 1466 Dsl. Cab, Air, Dual PTO
IH 1256 D WF
IH 1066 Dsl. Cab & AC
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IH 966 Dsl.
IH 886 Dsl. Cab & Air Very Nice
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IH 560, FH
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AC 200 WFE & Cab
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Oliver 1850 Dsl. WFE
Ford 5000 Dsl. Very Nice

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IHC 820 15' Flex Head, like new
AC F430, G430, C#430
AC KF330
JD 243, 244, 343, 443, 444, 643
PLOWS
IH 540 4x16
IH 710 5x16 spring reset
IH 710 4x18 spring reset
IH 720 6x16 spring reset
JD 1450 5x18
JD 2500 5x18 sp. reset
JD 2500 7x18 sp. reset
JD 350 5x16 hyd. reset
JD F 145 4x14, 4x16 & 5x16

DISCS

JD 12'-14'-18' BWF Rock Flex Disc
JD 12' AW Disc
JD 12' Roller Harrow
JD 230 Hyd. Fold 22' w/ Leveling Bar
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HEAVY DUTY DISCS

Hutchmaster 12' offset
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IHC 400 Air 4R dry fert. and insect., very nice
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NH 467, 477 7 foot
(2) (1) NH 479
JD 1209

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(2) JD16A Flail Choppers
JD Adaptor Bundle fits 243 corn head to forage harvester
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MF 235 Loader w/valve control
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Hesston Adaptor Bundle to fit Gleaner Corn Head
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Tractors:

	List	SALE
IHC 1486 w duals	\$25,800	\$23,000
JD 4030 4 post w enclosure	14,000	13,000
JD 2640 roll guard and canopy	14,000	13,000
JD 4020	9,500	8,500
JD 4000	12,000	10,000
995 Case w cab	8,850	8,000
JD 730	4,200	3,600
JD 620	3,500	3,100
JD A late model	1,800	1,500
JD a w/227 picker	2,000	1,500
Farmall M	1,695	1,250
IHC Super C w cultivators, sharp	1,975	1,750

Balers:

JD 24T w #2 ejector	1,600	1,194
JD 14T w #2 ejector	1,495	695
JD 14T w #1 ejector	495	395
JD 14T w #1 ejector	685	450
NH 68 w 53A thrower	1,100	795

Mower Conditioners:

JD 1209	2,800	2,195
JD 1209	4,200	3,600
NH 1469 Haybine. SP	4,000	2,800
Owatonna 700 SP	3,500	2,400
NH 469	1,875	1,200
Case 7'	1,995	1,495
IHC 760 offset disc, like new cond., 12 ft.	3,500	3,200
JD 31 hay crimper	350	250

Corn Pickers & Heads:

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JD 244 corn head	2,400	2,000
JD 444 corn head	8,800	7,500
JD 45 combine	3,500	make offer

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	List	SALE
JD 7000 planter, 6RW, liquid	\$9,500	\$8,500
JD 7000 planter, 4RW, w. pop monitor	6,800	5,600
JD 7000 planter, 4RW	6,500	5,200
JD 1240 planter	2,500	1,875
JD 494 A planter	900	475
JD 494 for parts	500	300
JD 290 planter	350	300
IHC Cyclo 6 RN	5,000	3,200
IHC 249 planter	350	300
5400 White, 6RN, liquid	6,600	5,200
AC corn planter, no-till	3,500	2,100

Discs:

IHC 760 offset 12', like new	3,500	3,200
JD BWA 12'	1,800	1,500
MF disc	2,200	1,800
M&M disc	1,250	900

Grain Drills:

JD 5BB, 13x7	1,250	900
JD FB 13x7	600	500
JD FB drill 15x7	875	600
NH Elevators 29'	900	700
Rotary cutter, like new	650	550

Harvesters:

3800 Harvester	4,500	3,500
JD 38 w 2 R-RC	2,000	1,500
JD 35 w 2 R-RC	2,800	2,200
2 JD 51' hay pick-up heads, take your choice	600	400

Plows:

IHC 720 plow	3,200	2,800
IHC 411 4-14"	575	475
JD 145 plow 5-16"	2,200	1,800
JD 810 3-14"	550	475
JD 44 plow	125	100
JD 2 bottom 14"	475	425
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8' cultipacker	150	100

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season's cheer



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Fox Super D w/Diesel engines w/cab and heads
NI 702 Uni System w/diesel engine, chopper and Forage Heads
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NH 782 Harvester Electric Controls \$7500
NH 679 Spreader \$5500

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Ford 4500 Loader & 3 pt.
Ford 4400 Loader & 3 pt.
Ford 4000 w/Loader
Ford 801 D PS
Ford 9N w/Loader
Ford 8N w/Blade
IH 666 D WFE
IH 504 G, 3 pt.
IH M w/loader
AC 5040
AC 160D
AC D17 G
Case 630 w/PS
MF 235 G, PS
MF 135 G Live PTO
MF 135D, 8 speed
MF 65 G, PS
JD 3020 D WFE
JD 730 D 3 pt.
Satoh w/Woods mower

EQUIPMENT
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Ford 5x16 Plow
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Ford Flail Mower
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22" blades
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Ford tractor
Loader backhoe
Model 4500
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& backhoe
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5 h.p., \$494,
8 h.p., \$773,
IH 2 hp. \$296,
8 h.p., \$825,
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Beater
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Beater
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245 Spreader
107 Spreader
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MX135 Mixer
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attachment
F-99 Blower

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FB88 Gehl Forage
Blower
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NI 218 Spreader, Recon-
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engine. Dyno test, 48
pto h.p. 2400 hrs.
\$4800
1 pair 20.8x38 tires -
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D6206 Deutz Tractor, 61
h.p.
D5207 Deutz Tractor, 52
h.p.
D4507 Deutz Tractor, 45
h.p.
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12' Roller Harrow
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NH L-35 Skid Loader
NH 518 Manure
Spreader
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(2) MF 300 Combine
w/Cab, Q.A., 2-row
corn & 10' grain table
JD #45 Combine w/2
heads

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MF 2675
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100 h.p., 24 speed,
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USED TRACTORS

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Plow

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NI 290 Mower Con-
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MF Dyno Balance Mower
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Ford 246 12' Offset Disc
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COMBINES
White 8700 (1980)
MF 410

Seasons
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NI 737 Husking Unit
AC 7000 Tractor
AC 5040 Tractor
AC 170 Gas Tractor
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Loader for AC 160

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98 hrs., like new
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1600 HRS. EXTRA CLEAN
JD 7700 DIESEL HYDRO COMBINE 1973

IH 966 Tractor
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IHC 2400 Series B Utility Tractor w/570 hours
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Int. 1456 w/dual PTO's and 23.1x34 rear tires, new
clutch and TA runs excellent
IHC 84 Hydro Tractor w/50 hours \$11,750
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IHC 815 Diesel Combine
Massey 510 Gas Combine

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Starline 810 Flail Spreader	\$775
NH 518 Spreader w/hyd. endgate	\$1875
NH 331 Spreader	\$295
JD 44 Spreader	550
IHC 550 Fg. Harvester w/pickup & 2R Adj. Heads	\$995
NH 717 Forage Harvester	
NH 880 N3, R2 Cornheads	
NH 479 Haybine	\$2775
MF-NI Mower Conditioner	\$1295
NH 269 Baler	\$1185
NH 273 Baler	\$1850
IHC 37 Baler & thrower	\$950
NH 269 Baler w/thrower	\$1650
JD "60" PTO Blower	\$475

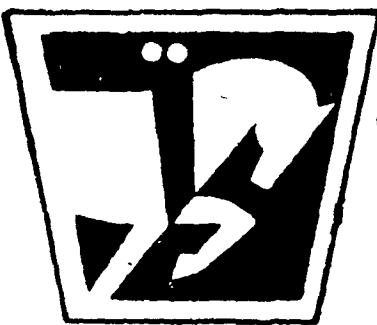
Call for prices on other equipment

SPECIAL PRICES ON NEW

NH 782, 892 Harvesters and Heads
NH L35, L325 Skid Loaders
NH 310 & 320 Balers
NH Mowers, & Rakes
NH 474, 489 Haybines
NH 14, 230, 234 Wagons
NH 513, 519, 800 Flat Bed Spreaders
3200 gal. Spreader with injector

**ROYA
BRUBAKER**
SALES * SERVICE

Phone: 717-626-7766 or 626-1859
700 Woodcrest Avenue, RD3, Lititz, PA

WISCONSIN ENGINES

**10%
OFF**
all parts
used in
engine
repairs.
**Sales &
Service**



ADAPTABLE TO MOST APPLICATIONS
From 13HP to 200HP
OIL COOLED WATER COOLED AIR COOLED

(1) Used SU 1056 100 H.P. \$3400
★ Will Install In Skid Loaders, Balers,
Forage Harvesters, Etc.

LUMBER JACK WOODSAWS AVAILABLE
3 Pt. Hitch, 540 PTO

**SALES & SERVICE
MILLER'S REPAIR**

1 Mile North of Bird-in-Hand
8 Miles East of Lancaster
RD 1, Bird-in-Hand, PA Ph: 717-656-6109

FARM EQUIPMENT

FARM EQUIPMENT



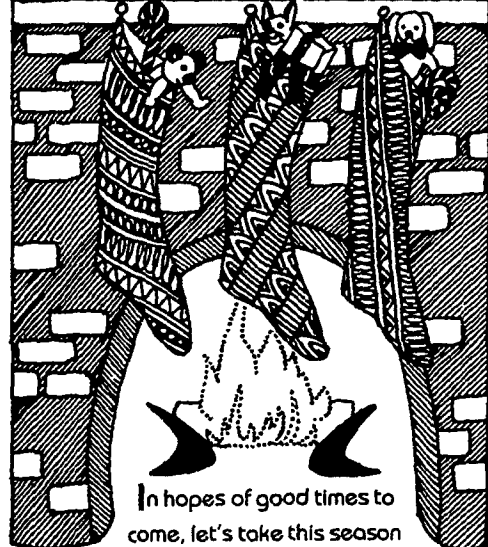
We're delivering our sincere
thanks to you and yours!

The Christmas season is more than
just a holiday. It is a time to renew our
dedication to "peace on earth, goodwill
towards men." All the folks at L.H.
Brubaker Inc. sincerely trust that at this
season of the year you will join with us in
renewing our devotion to the true
Christmas theme. May your holiday be a
joyous one and may your New Year be a
prosperous one.

HAPPY HOLIDAYS FROM ALL OF US!

L.H. BRUBAKER, INC.

350 Strasburg Pike Lancaster, PA

Merry Christmas

In hopes of good times to
come, let's take this season
to rekindle old friendships...
spread warmth and joy.

**RINGTOWN FARM
EQUIPMENT****Merry
Christmas**

Ho! Ho! Ho! It's that
time again - we're glad
to say "Hope you have a
very happy day!" Thanks

**NEW EQUIPMENT**

IH 986 Tractor
#10 flail chopper \$3700
Woods rotary cutter, 6' \$900
Winco 25 KW generator w/trailer \$1850
Bush Hog 5' chisel plow \$800

USED EQUIPMENT

Ferguson tractor
Farmall A tractor
Farmall Super H, \$900
Farmall 460 gas, w/2 MH corn picker
AC gleaner combine model CII 14' grain & 4
row corn head \$7500
IH 674 diesel \$8500
IH 574 diesel utility, low hrs. \$7300
IH 544 gas hydro, new engine \$5800
NH 469 haybine \$2400
IH 400 cyclo planter \$3000
Oliver 5F 16" plow \$1150
Oliver trail plow, 3f trip, \$300
Sheller for NI picker \$600
IH 234 corn picker
JD Model 18 corn picker
72" Woods under mount mower \$500
2- IH 990 mower conditioner, \$1975
IH 234 sheller attachment \$1325
Kelly loader \$400
2 IH 550 forage harvester hay & corn head \$2700
IH 540 furrow plow, \$1100
Brillion cultipacker, like new \$950
2000 loader

**DOMBACH EQUIPMENT**

McAllisterville, Pa. 717-463-2191

**MERRY
CHRISTMAS
CO.
ALL!**

...And to all a Bright
Holiday Season! Thanks.

**LAMB'S FARM
MACHINERY**
Thorndale, PA
Phone 215-269-2676

FARM EQUIPMENT



Welcoming A
Chance to say
thanks and
to wish you
a Very Merry
Christmas & A
Happy
New Year.

**MECKLEY'S
DAKOTA** (717)
758-3915

Cagle**COMBINES**

NH TR-75

Pay New Hol-
land what we
owe and it's
yours.

PLANTERS

AC 770 6 row
IHC 400 6 row
IHC 56 4 row

GRINDER MIXERS

NH 352
JD 400
NI 214 Spreader

SHEETS BROS.

New Holland,
White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

**NEW TRACTORS**

IH 284D
IH 284D 4WD
IH 484
IH 684 w/loader
IH 884
IH 884
IH 274
IH 584
IH 784

**NEW
HAY EQUIPMENT**

IH 445 W balers
IH #15 bale throwers
IH 1190 9' mower
conditioners
IH 1300 7' 3 pt. hitch
mower
IH 35 rakes

**NEW
DISC HARROWS**

IH 122 5'6"
IH 122 6'9"
IH 475 18'7"
IH 501

NEW CULTIVATORS

2 IH 183 4 row Vibra
tines



**Uptime
Service.**

**certified
service**
The International Harvester Company
1980 - 1981

W. HOBENSACK'S SONS

1060 GREELEY AVE.
IVYLAND, BUCKS CO., PA.
18974

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VAN DALE**Van Dale Products**

- All New Ring Drive Silo Unloader
- Silo Unloaders 10' - 30' New & Rebuilt
- Bunk Feeders - Belt, Auger and Shaker
- Conveyors - Auger & Single Chain

T.M.R. Van Dale Mixer-Feeders - 4 Auger

- Truck Mounts
- Trailer Mounts
- Stationary Units
- 40 Cows to 400 Cows

Liquid Manure Spreaders

- 1500 Gal. to 4500 Gal.
- Soil Injectors

Liquid Manure Pumps

- Agitator-Filler
- Centrifugal
- Lagoon

Uebler Electric Forage & Grain Carts**Uebler 810 Gas Cart****Uebler TMR Forage Carts****Red Top Stainless Steel Trough Cattle****Waterers****Lancaster Stave Silos - Stave or Metal Chutes****Sollenberger Poured Concrete Silos Top or****Bottom Unloading****Double Chain Wood Conveyors w/Slip Clutch****& 3/4" Bottom****Taper Board Feeders & Belt Feeders****Circle Feed Supplement Bins****Hedlund-Vaughan Chopper Pumps****Neseth Liquid Manure Equipment****Leasing Available**

Sales & Service

K & S INC.

RD 1 Quarryville, PA 17566
PH: 717-284-3111



The Christ is born,
the Prince of Peace
descends; and where
he finds room,
hostility ends.

DJ IMPLEMENTS

Reistville, PA
Dayton, VA

**END OF YEAR
SPECIALS**

Ford 6600 diesel, big
rubber, 1100
hours, like new
cond.

Apple stalk chopper,
good cond.

Thrower for 273
baler, late style

New 5' Bush Hog
Rebel model,
only 1 left, list
\$750, our price
\$595

Minn-Moline model D
corn sheller, PTO
good cond.

NI 751 hay condition,
nice

NH Super 26 blower,
ex.

Oliver 2-16 Raydex
plow, latter lift

NH 310 baler w/
thrower, like new

JD 660 rake w/dolly
wheel, excellent

NI 214 spreader,
extra clean, exc.
cond.

Pollard wheel rake,
new teeth Brady
hay conditioner

IH #9 grass mower,
excellent

NH 258 rake, brand
new

NH 477 haybine, nice

New 3 pt. wheel rake

New 6' bucket to fit
Swartz or Oliver
manure loader

Brillion cultimulcher
9' & 10', both w/
4" axles

New Kubota 2x12"
3 pt. plow,
special price

Peak Anti-freeze
\$3.99/gallon or
\$3.95 by the
case

Cash and Carry
Sales and Service
on farm tires

DJ IMPLEMENTS

Located in Reistville
midway between
Myerstown and
Schaefferstown
along Rt. 501
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**USED
GORMAN-RUPP
PUMP**

For liquid manure
and waste water,
pump only or w/gas
engine

ECCO, INC.

4021 N. 6th St.
Harrisburg, PA 17110
717-238-9423



NEW TILLAGE
12' Rhino Rock Flex
Disc
18' Amco Hyd. Wing
Rock Flex Disc
13' 245 Bush Hog Offset
26" Disc
14' 1439 Bush Hog Disc
12' Glenco Soil Finisher
NEW EQUIPMENT
Hesston 30B Stacker
Allen 20' Hyd. Rakes

USED TRACTORS
White 2-70 w/Cab &
Loader
Oliver 1850 D
JD 2510 Gas
Ferguson 20 w/Sauder
loader
USED HARVESTERS

**FIELD QUEEN
SIDE DUMP,
Cat Engine,
3 Row
Head & Pickup**

**NH 1895
Forage Harvester,
4 Wheel Drive,
3 Row Auger
Head and Pickup,
283 hours
Excellent**

NI 702 Diesel Uni
NH 890 3R & Pk. Up.
Gehl Recutter Blower
IH 715 Combine, 13'
grain & 3 Row Corn
Head
Fox 3310
USED SPREADERS
NI 224 10 Ton
NI 218 8 Ton
NI 1500 Gal. Vacuum
Badger 1500 Gal.
Vacuum

USED EQUIPMENT
12' Brady Shredder
MF 7B 880 Reset Plow
Ditch Witch Trencher
20.8x38 Snap-on Duals
Hesston 4800 Big Square
Baler
Fg. Wagons, J.D., AC,
Grove, NH
Hesston Stackhand 10 &
30
Fox Blower
NI 728 4RN Head
Gehl 6' Rotary
JD 7' Rotary
White 5400 6R No-Till
Pltr.
AC 6R Liquid Planter
w/No-Till
AC 15' heavy duty Sgl.
Fold Disc
JD 28 Disc Harrow
NI 323 1R Picker
Hesston PT10 Win-
drower
NH 479 Haybine
NI 272 Cut/ditioner
Hesston 320 SF Win-
drower
Hesston 1014 Hydro
Swing Windrower
SS9 Glencoe Soil Saver
NI 710 Combine
Hawk Bilt 2155 Roll Top
Better-Bilt Hi-pressure
Vac. Pump
Kools Recutter Blower

**STOLTZFUS
FARM SERVICE**

Cochranville, Pa.
215-593-2407

FARM EQUIPMENT**FARM EQUIPMENT**

**CFH Wishes You A
Merry
Christmas**

We will be closed for the
holidays Dec. 24 thru Jan. 2nd
Will reopen Monday, Jan. 4th

**Used Tractors:**

John Deere 4520, 4430, 4320, 4030, 1520, 2510,
3020, 3010, Farmall 1086 4 wh. drive, 966 with
cab, 806, 560, 460, 450, M. H. Allis Chalmers 210,
185 like new, Ford 8N & 9N, 9000, 9600, 9660. MF
180, 165.

Used Combines

2, 3, 4, 6 row John Deere corn heads, 6 row IH
head to fit 815 or 915. 105 corn special diesel
engine, 4 row corn head.

Used Trucks:

1974 Chevy w/new 16' grain body & hoist, 427
engine, 5 spd. trans., 2 spd. rear. 1977 GMC cab
& chassis. Ford Louisville w/24' Schwartz roll
back.

Used Plows & Disks:

1450 John Deere 7 Bottom. Large selection of
John Deere 5, 6, & 7 Bottom. Athens 21' Hyd.
Fold disk. IH 470 18' Disk. Large selection of
smaller John Deere disks.

Brillion 18' spring tooth on rubber. Used year
around cab for IH 766-1566. Large selection of
Fox choppers & head. Good supply of Fox
Parts. Fox 3RN corn head, NI 3RN head for
chopper. New Gehl, Fox & Badger Equip. John
Deere 1240 Plate & Plateless corn planters. JD
model 2500 6 btm. 18" auto. reset plow. GSI
grain bins and augers. 10 used chisel plows.
NI Corn pickers: 2 row wide & narrow
Knight big augie 16, mixer feeder wagon
w/electronic scales, used 4 seasons. Special
price on new Keewanne 20' hydraulic fold disc
harrow

D & R EQUIPMENT INC.

Ringoes, New Jersey
(201) 782-5082

TRACTORS

Farmall H, good shape
ACD14
Ford 901 PS/3 pt. new
tires
IH 560 gas fully
equipped, real
sharp

VAC Case w/wide front
(3) Farmall M from
1850 to \$1450

MISCELLANEOUS

Disc, plows, mowers,
balers, wagons,
rakes, harvester
grain bins, harrows,
pickers, & loaders.

COMBINES

MF 35 SP 8' cut
MF 300 \$2000
MF 300 w/cab \$2500
MF Super 27 Clean
\$850
MF 410 grain head,
nice \$950
AC 66 pull

IH 203 10', PS
JD 30 auger feed, pull
IH 93 10'
JD 40 10' clean
\$2,000

IH loader off of 574
IH 430 snow plow will
fit any make \$525
Snowplow for \$175
JD 110 14' disc \$1150
(2) JD 12' disc \$950
ea.

IH 8' disc
JD 8' disc
Hesston 12' hydro
swing haybine
\$1650

NH 1469 self propelled
haybine w/cab
\$2500

NH 40' elevator
IH 700 7 btm. 16" plow
\$1200

IH 5 btm plow 16'
\$750
JD 5 btm plow 16"
\$975

DISMANTLING TRACTORS FOR PARTS

JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300,
350, 460, 460 Ut., Supers C, H, & M. JD A, B, 50 &
60. AC WD & D17 Oliver 70 & 77. Ford 8N & 860.
Case SC & V.A.C. Massey 44D, MF 85D, IH 40Q,
MTA, 240, F20, WD D2 Cat crawler.

Dismantling 100 combines and 50 pickers for parts

KEITER'S FARM MACHINERY

R.D. #1 Halifax, PA 17032 Rt. 225 20 mi. from Hbg.
Phone: 717-362-9574

FARM TRACTORS

JD 4010 diesel, cab
JD 2520 side console
JD 2020 diesel
AC 210 diesel
AC D17 diesel JD 630
AC WD 45 JD 530
JD 3010 JD 50
JD 730 diesel Ferguson 30
JD 720 diesel

814-793-4293

ATTENTION!

**FARMERS &
CONTRACTORS**

Skid Loader
Replacement Engines
New & Rebuilt

DECEMBER SALE

Up to 40% Discount plus 2% Cash

WISCONSIN ENGINE SPECIALS

For skid-steer loaders and many other
applications. Available with clutch or
PTO reduction.

V465 D, 65 hp. \$1975.00

VG 4 D, 37 hp. \$1445.00

VH 4D \$1330.00

WH 4D power unit with
clutch reduction \$1550.00

DEUTZ DIESEL ENGINES

Model F 2L511 2 cylinder, 26.5 hp
at 2,000 rpm \$1750.00

Available as a power unit with SAE
housing for clutch or clutch reduction.

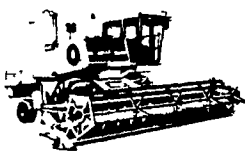
FACTORY WARRANTY

"AUTHORIZED SERVICE CENTER"

FISHER ENGINE SERVICE

3141 Old Philadelphia Pike
Bird-in-Hand, Pa. 17505
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**SEASON'S
GREETINGS**

**15% Price Rollback to Dec. 31**

on all New MF agr. w/13.9% 2 year financing or
waiver of finance charges. Eligible used equipment
13.9% 2 year financing or waiver of finance
charges.

NEW EQUIPMENT

MF 245 diesel, 8 speed
MF 255 diesel,
multipower
MF 265 diesel,
multipower
MF 154-4 diesel
MF 540 diesel combine
MF 860 diesel
combine

MF 1143, 1144, 1163
corn heads
MF 4880 diesel tractor
MF 13' and 15' tables
and Ull reels.
MF 226 and 227 snow
blades

USED EQUIPMENT

MF 760 combine
2 MF 135 tractors
Bobcat Model 700
Melrose skid loader
JD 4020 Tractor
Allis Chalmers WD 45
tractor

Farmall Super H Trac-
tor
Brillion 12' cultipacker
(2) 250 bu. gravity bins
MF 880 5 btm. 18"
plow
Case 1160 combine
MF 510 diesel combine

We Service All Makes Of Equipment
Large Inventory of New & Used
Equipment

**ABRACZINSKAS
Farm Equipment, Inc.**

RD 1, Catawissa, PA.
717-786-2323
(south on Rt. 42)

NEW TRACTORS:

MF 265 Used 424 Int. w/loader
MF 255 - \$4800
MF 285

NEW COMBINES

MF 540 MF 860

NEW IMPLEMENTS

MF 820 Disc McCurdy 230 Gravity
Taylorway 600054 Box Less Gear
Disc. MF 200 Forage
MF 925 Haytender Harvester
Brady 3270 Cultivator MF 260 Forage
Brady 1800 Chisel Harvester
Kuker 300 gal. Sprayer Fox 2310 Forage
White 25 Disc Harvester
Taylorway 600003 Fox 6354 S/P Forage
Chisel Harvester, 4 WD -
White 256 Disc Special Price!
MF 220 Disc MF 124 Baler
White 5400 Planter All Sizes New MF Corn
Dry No Till Heads Now
McCurdy 275 Gravity Available
Box Less Gear

**NEW GT DRYERS
NOW AVAILABLE**

Rebates of \$750 - \$1000
Now Available Thru December Only.

USED COMBINES:

All Diesels unless OL 525 w/2 row CH 11
stated Ft Grain Gas
MF 760 Turbo 6 1979 NH 975 Combine
MF 760 V-8 1978 NH 1400 Combine
MF 750 Turbo 6 1978 MF 540
MF 510 1977 JD 6600 Combine
JD 45 w/Grain Head

**ALSO LIMITED SUPPLY OF USED CORN
HEADS AVAILABLE SO SHOP EARLY**

Fast next day parts
shipment to your door
via UPS.

GUS FARM EQUIPMENT, INC.

Intersection of
Routes 616 & 214
Seven Valleys, PA
(717) 428-1967

**HERR & LEAMAN**

Used Farm Equipment Sales & Service
10 miles S. of Lancaster along Rt. 222

GUARANTEED**QUALITY USED EQUIPMENT**

Would Sell Any Tractor w/or w/o cab. IH tractors
w/3 pt. or fast hitch.
JD 4430 cab, air, real clean tract **SOLD**
IH 1456 factory cab, air, real clean, fully equipped
w/new T.A.
IH 986 - 38" rubber, 4 post roll guard 1 owner,
1200 hrs., clean
Farmall M w/wide front, heat houser. As good as
they come.
IH 856 diesel, cab, 38" rubber, fully equipped.
MF 1130 Diesel w/multipower rebuilt 1 yr. ago
IH 1206 WF dual pto, 3 pt. new ta.
IH 1256 nice, clean, original tractor
1968 JD 3020 D, 16.9x38 rubber
1970 JD 3020 D Side Console 38" rubber. Clean
local tractor
IH 1066 w/yr. round cab new rubber, TA & clutch,
new last fall. Local tractor.
JD 70 Diesel, 3 pt., WF, Pony motor rebuilt one yr.
ago.
IH 966
Farmall M with wide front
Oliver 1850 diesel, Perkins (100 h.p.), wf, 3 pt.
AC D17 gas, clean
MF 300 quick attach combine w/cab & air, very
clean, 3 row narrow w/13' platform & pickup
reel
Gehl 3000 skid loader w/3 buckets, 360 orig. hrs.,
w/electric clutch shut off
IH 35 hyd. driven hay r **SOLD**
NH 354 grinder mixer real nice.
7 or 9 tooth chisel plow, 3 pt. mtd.

MISCELLANEOUS

1 cab w/air to fit IH 06 to 56 series tractors \$600
IH & JD rear & front weights.
Year round cabs to fit IH 06 to 66 **SOLD**
Duals for JD & IH 34" and 38"
JD roll bar canopy off of 3020 or 4020.

Box 91 New Providence, PA. 17560
Ph. 717-786-1606 &
Evenings 717-786-4899

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SOUTH RACE STREET
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NIGHTS:
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1468 INTERNATIONAL CAB
2 Remotes, Dual P.T.O. - 20.8x38's
2700 Hours - Twin Turbo's
- Nice & Original
\$11,500

TRACTORS

OLIVER
2050 \$6000
1950 GM \$6500
1855 - Cab \$10,000
1800 - 4WD \$5900
4 WD Front End
only \$1475
(2) 1650D Coming In
1800D Coming In
1750D \$7500
Oliver OC3 \$1500

JOHN DEERE
4430 Cab \$16,500
4020D \$7800
3020D \$6500
820D \$2900
MT \$1350
(2) 5010 Choice \$6500
4230 - Cab \$14,500
4520 - Nice \$9800
(2) 4320
w/Ldr Coming In
(2) 620 Coming In
4230 Powershift
4WD \$13,500
50 w/Loader, Mower
& Cult \$2000
4430 w/cab coming in

LONG
N 610DT \$10,900
N 560DT \$3700
560DT \$4750
N 310 \$6500
N 310C \$6500

CASE
1370D \$10,000
930DCK \$4500
1470D 4WD -
Cab \$12,000
(2) 930D CK -
Standard \$2800
830D CK \$4000
930 Standard \$1500
1070 w/cab \$7000
1410 - 600
Hours \$10,750
1200 4WD \$6000
2670 w/Cab - 3 Pt.
P.T.O. Coming In

LOTS OF SMALLER AND
OLDER TRACTORS

A.C. MACHINERY
770 4X No Til
Planter \$2900
CII Combine Cab \$650
Roto Bar Rake \$800
3XSC Plows \$150 & Up
720 Chopper
w/2x30 & P.U. \$1850
"G" Snow Plow \$200
Extra Chopper Heads

M.F. MACHINERY
3X Rollover
Plow \$1250
35 Combine - Pull
Type \$2500
1150 Cab - New \$1850
1085 to 1155 Cab -
New \$2250

I.H. MACHINERY
720 5x20 Reset
Plow \$5000
700 6x16 Reset \$2800
203 Combine w/2
Heads \$1975
403 Combine Cab
w/Air \$1000
(3) 234 Sheller
Units \$950
645 Fieldcult - Pull
19' \$1875
F.H. Field Cult -
12' \$695
2X Cult - From \$100
53 4X FH Cult \$800
53 4X 3 Pt Cult \$1200
2XFH Plows \$400 & Up
4XFH Plow \$350
Rollbar w/Roof \$675
555 Chopper \$750
Cub Spreaders
From \$500
18' Wing Disc -
Rebuilt \$3900
13'6" W Disc -
Rebuilt \$1800 & Up
12' W Disc
Rebuilt \$1800
11' W Disc
Rebuilt \$1600 & Up
8' FH Disc \$750
5' Cub Disc From \$350
480 25' Wing
Disc \$3900
#10 - 17 S.D.
Drill \$1800
2XFH Planter \$400
Cub Snow
Plows \$195 & Up
Extra Chopper Heads
434 D w/Loader \$4000

**NEW HOLLAND
MACHINERY**
354 Mill \$3850
352 Mill \$2850
(2) 850 Round
Baler \$4500 & \$5250
479 Haybine \$3000
477 Haybine \$1500
23 Blower \$450
890 Chopper \$3800
707 3 Pt 1 Row
Chopper \$1800
(35) Extra Harvester
Heads
258 Rake \$1875
Tandem
Spreader \$2850

N.I. MACHINERY
Late 325 - 12
Roll \$5500
325 - 8 Roll &
Sheller \$5500
Late 324
w/Sheller \$4800
319 w/12 Roll \$3000
311 w/Sheller \$1650
331 w/Super
Sheller \$2950
12 Roll Bed for
Pull \$2850
(3) Mtd. Grinders \$750
Pull Grinder \$1675
(2) Mtd. Shellers \$950
(4) Pull
Shellers \$300-\$1000
Pull Super
Sheller \$1650
18 Spreader \$875

CASE MACHINERY
5X Reset Plow \$4900
1030 Cab - New \$1850
Extra Chopper Heads

**OLIVER & WHITE
MACHINERY**
1750 Cab \$500
Rollbar w/Roof \$675
4WD Front End For
1850 \$1475
285 Field Cult - Pull
18' \$1875
254 - 10' Wheel
Disc \$1200
252 - 12' Wheel
Disc \$1350

J.D. MACHINERY
336 Baler &
Ejector \$3900
1209 Haybine \$1500
2500 7X18 on Land
Reset Plow \$6000
1450 6X18 Plow \$3350
(2) 1450 6X16
Plow \$2150 - \$2950
2600 4X Reset
Plow (New) \$5500
40 4X3 Pt Cult \$395
RG4 4X3 Pt Cult \$895
(10) 2X Cult \$75 & Up
(2) 22' Hyd.
Wing Field
Cult - 3 Pt. \$1750
19' Field Cult
w/Wings - 3 Pt. \$895
(2) 290 2X
Cornplanters \$495
2X Potato Planter \$500
8' & 12' Lime Drill \$300
5X16 Pull Plow \$850
(2) 3X16 3 Pt.
Plow \$475-\$775
2X Pull
Plows \$100 & Up
#5 Fodder Attach
For Baler \$495
55 P.T.O. Table
Blower \$350
38 Chopper \$750
(2) 40 S.P.
Combine \$1600
(2) FBB 17 Disc
Drill \$950-\$1850
Van Brundt 17 Disc
Drill \$950
KBA 24-28-32
Disc's \$295 & Up
Tedder \$195
Cab For 45
Combine \$650
(2) 43
Cornsheller
..... \$200 & \$500
(25) Extra Harvester
Heads Call
Air Cond. for 33-44-
66 Combine \$675
7000 6X30 Planter
Loaded \$9850
214 Forage
Wagon \$1750
Lots - Lots More Not
Listed

**INGERSOLL RAND 5
HP AIR
COMPRESSOR**
2 cylinder - single
phase - 80 gal tank
used 3 month
\$1850⁰⁰

**FOR SALE
I & T TRACTOR
SHOP MANUALS
FOR OLDER
& NEWER
TRACTORS**

CONSTRUCTION DUMPS
(2) 1974 IH & Ford
Diesels w/9' Bodies -
Air Brakes \$13,900

CRAWLER LOADERS
Cat 941 \$16,900
Cat 933 \$8750
(2) JD
350 \$6500-\$7500
JD 450B
w/9300 Hoe \$15,900

FORD MACHINERY
3000 Rollbar \$275
3000 Cab \$775
354 4X Planter \$2500
4X Planter \$1000
2X3 Pt.
Cults From \$250
2X3 Pt.
Plows \$395 & Up
3 Pt. Sickle
Mower \$495
3 Pt. Flail Mower \$695

TRAILERS
1969 Great Dane
35 ton
detachable \$15,750
New HD10 2 1/2
ton \$1650
New HSE14
4 ton \$1275
New HSM14
6 ton \$2000
New HSL14 6
ton \$1950
(3) New HTR16
8 ton \$2950
1976 Gooseneck 3
axle w/tilt top \$4800

MISC. CONSTRUCTION
Davis DH5 trencher
New Diesel \$13,500
(6) Sweeper
attach. From \$95
(40) Used hoe
buckets From \$150
(25) Loader
buckets From \$95
(8) Set forklift
forks From \$300

TRUCK TRACTORS
(2) 1974 Ford
Louisville
Diesel \$8650



BACKHOES
Long 3 pt.
Hoe-new \$4500
Long 5 in 1
w/cab \$17,500
(2) JD 310
..... \$11,500
Ware Hoe
Attach. \$2750
Case Hoe
Attach \$2750
JD 9300 Hoe
Attach. \$5500
3 Pt. Backhoe \$2400
IH Hoe Attach. \$1800
Fordson Super
Major D \$4000

ROLLBACKS
1968 Int. Diesel -
24' \$7500
1976 Ford
Louisville
Diesel - PS - 5 & 2 - 24'
Rollback Nice \$23,750

SKID STEER LOADERS
Case 1740
Diesel \$6800
Melroe 500 \$3500
OMC \$3500

NI UNI SYSTEMS
701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
Combine
Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
705 Diesel w/cab - nice
760 Chopper
4x30 Corn Head



4230 JOHN DEERE CAB, AIR, RADIO
- 2 Remotes - Quad - Diff Lock -
3800 Hours - Nice Original Tractor
\$14,500

MISC. MACHINERY
Long 10' Offset \$3900
Wilbeck 12'
Offset \$4500
Bearcat 12'
Culti-
mulcher \$2800
Knoble 14' Wing
Harrow - 3 Pt. \$875
New Speeco 6'6"
3 Pt. Disc \$495
New Round Bale
Feeder \$175
7'-10'-14' 3 pt. Spike
Harrows \$395 & Up
Long Rollbars \$300
New Brute 8' 3 Pt.
Blades \$695
Waldon 10' Snow
Plow \$2500
Nesseth P.T.O.
Manure Pump \$3500
Mayrath 32'
Elevator \$650
Glenco 12' Pull Field
Cult. \$1675
Glenco 9' Soil
Saver \$3300
Meyers 6' Snow
Plow \$395
Danuser P.H.
Digger \$595
F.M.A. Tedder &
Rake \$1000
Hesston 10W
Mower \$600
Servis 14' Rotary
Mower \$1500
Gehl 9' Haybine \$1250
Terrain King 15'
Wing Rotary \$1950
Danuser P.H.
Driver \$395
Brillion 11'
Seeder \$1800
(2) 1X Potato
Digger From \$500
Brady 2X Stalk
Chopper \$350
Brady 4X Stalk
Chopper \$1350
MM D
Cornsheller \$675
Hutchmaster 13'
Offset Disc \$4500
Athens 5' 3 Pt.
Chisel Plow \$550
Athens 11' Pull Chisel
Plow \$1395
Assorted 1X Cult &
Plows
Assorted Side
Dressers
Spike Harrows Call
Spring Harrows Call
Swartz Mixer
Wagon \$1850
Corn Drags From \$400
New 6' 3 Pt. Land-
scape Rakes \$495
New 2x3 Pt.
Plows \$450
New 1200 Bu. Corn
Crib \$795
Woodsaws \$500 & Up
New Landscape
Boxes \$350 & Up
165 Gravity Bins \$450

230 Gravity Bins \$525
Dunham 16'
Mulcher \$2250
Dunham 10'
Mulcher \$685
B.H. 2 x 3 Pt.
Planter \$200
New 3 Pt.
Seeders \$395
EZ 16' Box 3
Beater &
Roof - No Gear \$2500
Lamco 16' Box - 3
Beater & Roof - No
Gear \$2400
8 Ton Gears \$550
10 Ton Gears \$625
12 Ton Gears \$975
(30) Sets of Duals
Lots of Harvester
Heads To Fit All Makes
New 7 Ft.
3 Pt. Blades \$235

**COMBINE CORN HEADS
NARROW ROW**
IH 833-743-733-429-
329
JD 643-443-343-434-
334-313
AC 630-430-330
Oliver 703N-541-531
MF 63-43-33-421-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30 - 4x30
WIDE ROW

IH 744-429-329-327-
724-229-228-227-25-
22
JD 434-334-234-210-
205-10-344
AC 440-435-240-238
Oliver 544-
531-522-512
MF 44-24-422-322-
222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

WE LEASE
TRACTORS &
MACHINERY

DUMPS - FARM
1974 Ford Louisville
18' Omaha Dump
w/Cattle Racks
Diesel \$14,950
(2) 16' Steel Dump
Bodies - Complete -
Excellent \$4000

LOG SKIDDERS
Franklin 133B w/Log
Loader \$6250

FORKLIFTS
Ford 30'
Diesel \$11,500
JD 2010 \$5000
Int 340 \$4500
Yale 3000 Lb. \$3500

**COMPLETE RUNNING
GAS & DIESEL ENGINES**
50 On Stock - Call

Holiday Greetings

We know we're on the right track when
we say. "Have a wonderful Christmas in
every way...and thank you dear
friends!"

**LONG 1-DAY
TRACTOR SALE
WED. DEC. 30th**



FARM EQUIPMENT

WANTED

Used
IRRIGATION
PIPE & PUMPS
Send your
inventory and
price to

EECO, INC.

4021 N. 6th St.,
Harrisburg 17110
717-238-9423

TRACTORS

- Case VAC
- Case 930 Tractor "CK"
- Case 430
- David Brown 990 w. Loader
- 990 David Brown
- David Brown 1410
- White 2-105 Tractor
- AC 175D Tractor
- AC "B" Tractor
- C Farmall tractor with Cultivator, Corn-planter & Snowplow
- Massey Ferguson 50

LOADERS

- Case 1537 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- 1845 Diesel Uni-Loader

TILLAGE

- Case Disc Harrow, 10'
- MF 12 Ft Spring Tooth Harrow
- Oliver 2, Bot. Trailer Plows
- JD 10' Cultipacker
- Used Cultipacker
- Brady Chisel Plow

HARVESTING EQUIPMENT

- Gehl 600 Harvester, 2 Row Cornhead and Pickup Head
- NI Unisystem 701 Tractor
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 727 Husking Bed
- NI 323 1-Row Corn-picker
- NI No. 10 1-Row Corn-picker
- NI 2-Row Cornpicker
- Int. Mtd. Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No. 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester w/Pickup
- Dion Self-Unloading Wagon
- NH Forage Blower
- NH 469 Windrower
- Hesston 1014 12' Windrower
- Hesston PT 10
- Dump Rake
- 3 pt. Hookup Mower
- Bale Thrower Wagon
- JD Hay Rake
- NI Hay Rake
- NH 66 Baler

MISCELLANEOUS

- Ford 4-Row Corn Planter
- JD 2-Row Planter
- JD 494 Corn Planter 4-row
- IH 400 Corn Planter, 8 Row
- 10 Used Spreaders
- NI 17 Spreader
- NI 224 10-ton Spreader
- Potato Grader
- Dump Wagon
- IH Weigh Mixer

NEW IDEA

SPECIAL PRICES!

- 1200 Bu. Corn Crib
- NI 456 Round Baler

case

ZIMMERMAN'S FARM SERVICE

Bethel, PA
Phone 717-933-4114

FARM EQUIPMENT

NEW LEADER Lime & Fertilizer Spreaders

HI-WAY Cinder Spreaders - All Types

FRINK & VALK Snow Plows

ANVILLE BODY CO.

P.O. Box 217, R.D. #3
Annville, Pa. 17003
Phone 717-867-4631

FOR SALE

USED TRACTORS

AC 7030 w/cab, (2)-7000 w/cab, (2)-200 w/cab, (2)-XT 190, (3)-185, (2)-175, 170, 160 w/loader, 5040, 5040 w/loader, (7)-D-17 gas & diesel some w/3 pt., D-15 gas snap coupler, D-14, D-12 high clearance w/cultivator, WD 45, B w/2 way plow

Ford 9600, 8000, 5000, 4000, 3000, 2000 w/loader, NAA w/loader, (4)-8N JD (2)-4020, (2)-3020, (2)-620, 2640

IHC (2)-544D, (2)-574 w/loader, 560 D, 504, B 275D, 340, 240, 230, 140, Super MTA, Super M, Super C, Super A, Super AV, 4 cubs

Case (2)-430, 530D w/loader MF (2)-235D, 135D w/188 hrs., 165D, 38" tires w/loader, 35, 50

CHOPPERS

NH Super 717-770, NH 1 row snapper head

Hesston 7020

FORAGE BLOWERS

NH 25, 27, 28

JD Kools & AC

BALERS

(2)-JD 336

w/throwers

NH 320, 273, 268

w/throwers

MF 12

Hesston 4500, 4600

rounder

CORN PICKERS

NI 323 1 row, (4)-NI

325 2 row narrow,

(2)-324 2 row

wide, 8 & 12 roll

husking beds. 314

& 329 Super

Sheller at-

tachments.

(2) IHC 1 PR 1 row

New NI Liquid Spreader, 800 gal. only \$3975

The Solution for your pickup truck with rust out boxes. - New Lamco pickup stake body. 8' long side boards & drop tailgate. Now in stock! Priced at \$395.

Call For Our Deal Before
You Buy & Be Pleased

MARSHALL MACHINERY, INC.

RD #4
Honesdale, Pa. 18431
5 miles east of Honesdale on Rt. 652
Ph: 717-729-7117
Sales & Service AC, NI, Hesston, Kubota

FARM EQUIPMENT

New and Used Chain Saws For Sale - used saws as low as \$29.95 large selection. WES STAUFER, Ephrata, Pa. 717-738-4215.

FARM EQUIPMENT

Farmall F-12 and Farmall F-14 both restored \$1900. for the pair. 717-458-6451.

Wanted - 2800 JD on land plow. 703-721-2643 after 6 P.M.

FARM EQUIPMENT

SILOS/HAY FEEDING WAGON - \$1100 One Lamco 20' w/wooden sides. \$1800 One Shoessow 20' \$2200 Two Shoessow 25' both w/tandem wheels and all metal. 717-367-5420.

FARM EQUIPMENT

For Sale - 7 1/2 ton Western snowplow, elec. tric. lift, very good condition, was on Ford F-250 pick-up \$450 or best offer. Phone 717-933-8676.



MESSICK

FARM EQUIPMENT
PARTNERS in AGRICULTURE

TIME IS RUNNING OUT!!

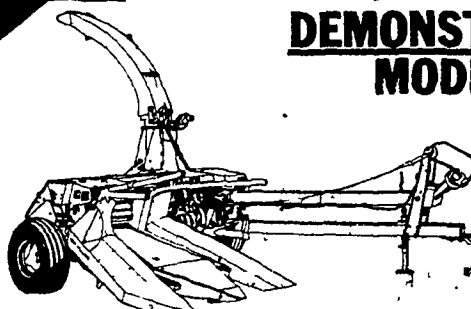
Take Advantage of Year-End Tax Investment
Credit and Company Rebates

See The
NEW INTERNATIONAL
SERIES 88 TRACTOR

Waiver of Finance on all
AG TRACTORS till MARCH 1, 1982

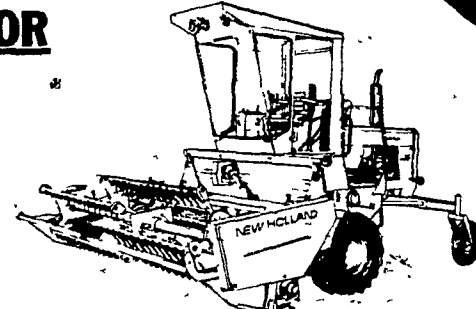
ASK US ABOUT IH COMMODITY CASH BONUS ON
ALL NEW IH TRACTORS & EQUIPMENT

\$900
Rebate

EXTRA BIG SAVINGS
ON THESE
DEMONSTRATOR
MODELS:

HEAVY DUTY FROM HITCH TO SPOUT:
NEW HOLLAND MODEL 782
FORAGE HARVESTER

\$1600
Rebate



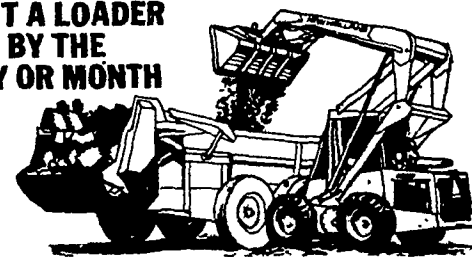
NEW HOLLAND MODEL 1495 HAYBINE
MOWER-CONDITIONER

SIX MODELS TO CHOOSE FROM:
22 HP to 62 HP, Gas or Diesel

CHECK OUT THESE
SPECIAL PRICES ON
SKID LOADERS & SPREADERS

NH 519 Spreader, Hyd. Gate. Splash Guard, Excellent Condition. . . \$3,495⁰⁰
New Idea Spreader, Model 217, Hyd. Gate, Cylinder & Hoses, Very Good . . . \$2,650⁰⁰
NH 362 Tank Spreader, Excellent Condition. . . \$1,395⁰⁰

RENT A LOADER
BY THE
DAY OR MONTH



NH Model L425 Skid Loader, 30 H.P., Excellent Condition, Low Hours., Only . . . \$8,995⁰⁰
NH Model L775 Skid Loader, 60 H.P., Low Hours, New Condition, Only . . . \$12,000⁰⁰
Skid Loader Trailer, Tandem Axle With Brakes & Lights . . . \$1,250⁰⁰

GOOD CLEAN USED EQUIPMENT

IH 454, 3 pt. Hitch
IH 574D Row Crop
IH 656 with New Engine
IH Farmall M Tractor
IH Farmall H Tractor
JD 320, 3 pt. Hitch, Power Steering
Oliver 77 Tractor
NH Model 850 Round Baler
Several Used Cub Cadets
IH Model 234 Mtd. Corn Picker
NH 770 R2 Corn Head
NH Self Propelled 818 Diesel Harvester
IH 650 2 Row Cornhead and Pickup Attachment

IH 37 Baler w/Thwr.
320 NH Baler, used season, ex. cond.
NH 275 Baler w/Thwr.
NH 489 Haybine, Ex.
NH Model 495 Haybine, 12 ft. ex.
NH 276 Baler w/58 Thwr.
1200 Gal. Aluminum Sprayer Tank
JD 494A, 4 Row Planter
JD 10 Ft. Cult. Mulcher
JD 12 Ft. Cult. Mulcher
JD 1209 Mower Conditioner
IH 990 Mower Conditioner
IH 7 ft. Sickle Bar Mower, Good Condition

Brillion 7 Tooth Chisel, Like New
Bush Hog 8 Tooth Chisel, Like New
Oliver 3 Bottom Plow
IH 531 Plow
IH 9A Disc Harrow
JD KBA Transport Disc Harrow
Grove Forage Box Wagon, Ex. Cond.
NI Hay Rake
NH 258 Rake, used 1 season, ex. cond.
Fox 3310 Harvester, Super Excellent Condition
Skid Loader Trailer, Tandem Axle With Brakes & Lights

MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT - RT. 283, ELIZABETHTOWN, PA
PHONE: 717-367-1319, 653-8867
WARREN SPICKLER - HOME 653-4560 RAYMOND MILLER - HOME 653-8762
★ WE SHIP UPS

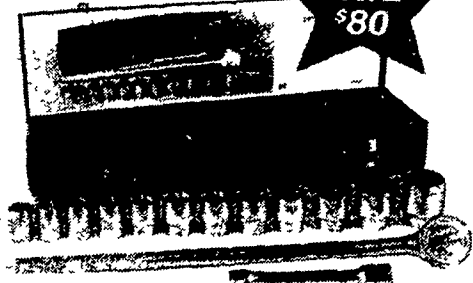
VISA*



HOLIDAY SPECIALS

TOOLS - TOOL BOXES

15-piece 3/4" Drive Socket Set

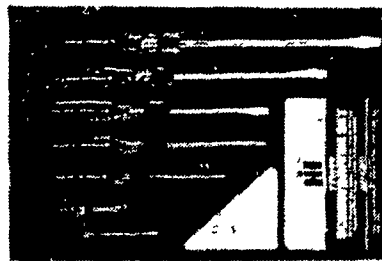


SAVE
\$80

International sockets are stronger because they're hot forged from A.I.S.I. 4140 alloy steel and heat treated for uniform strength and long wear. This set includes twelve 3/4" drive regular length sockets (7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4, 1 5/16, 1 3/8, 1 7/16, 1 1/2, 1 3/4, 1 7/8), '8" extension; 24" reversible ratchet; sturdy metal box. Replacement warranty - if a tool breaks in normal use, return it to the selling dealer for a free replacement. 999 478 R1.

Reg. \$189.95 (Total individual piece price)

Special **\$109.95**



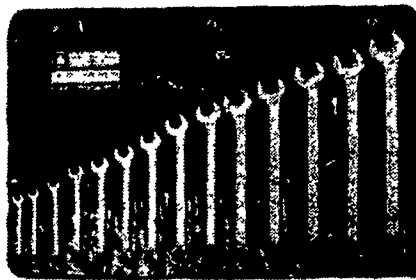
7-piece Screwdriver Set

Includes 4" round blade, 6" round blade, 8" round blade, No. 1 Phillips, No. 2 Phillips, stubb screwdriver, pocket screwdriver, plastic tray 999 355 R1

Regular \$21.24
(Total individual piece price)

Special **\$11.95**
Savings \$9.29

14-piece Combination Set

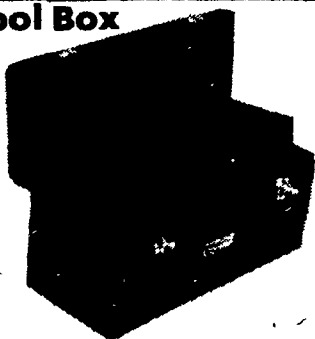


Fourteen Combination Wrenches

- 3/8
- 7/16
- 1/2
- 9/16
- 5/8
- 11/16
- 3/4
- 13/16
- 7/8
- 15/16
- 1
- 1 1/16
- 1 1/8
- 1 1/4 inch
- plastic tool roll

Special **\$79.95**
Savings \$40.00

20" Tool Box



This hand box is extremely popular because of its capacity and durable construction. It's ideal for both mechanics and heavy-duty use at home. A big three-compartment tote tray is included. 20x8 1/2 x 9 1/2". 1132 059 R1.

Special **\$25.99**
Savings \$4.00

Tool chest and rollaway make an ideal combination for the farm shop
All IH tool chests and rollaways are made with rugged double wall heavy-gauge steel construction with a long-lasting baked-on enamel finish.

Four-drawer chest. Rugged chest measures 26 1/8 x 12 1/8 x 15". 1132 063 R1.

Special **\$112.99**
Savings \$17.00

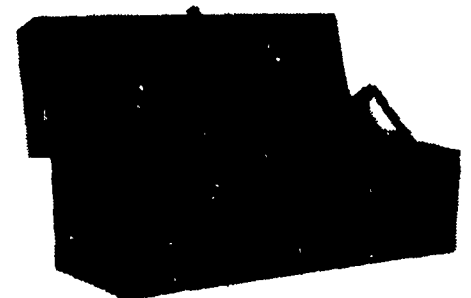
Three-drawer cabinet.

Two medium sized drawers, one large one, and a big storage compartment give plenty of space for any use. 26 1/2 x 18 x 30 1/8. 1132 065 R1.

Special **\$169.99**
Savings \$20.00



Special Christmas Price \$9.99

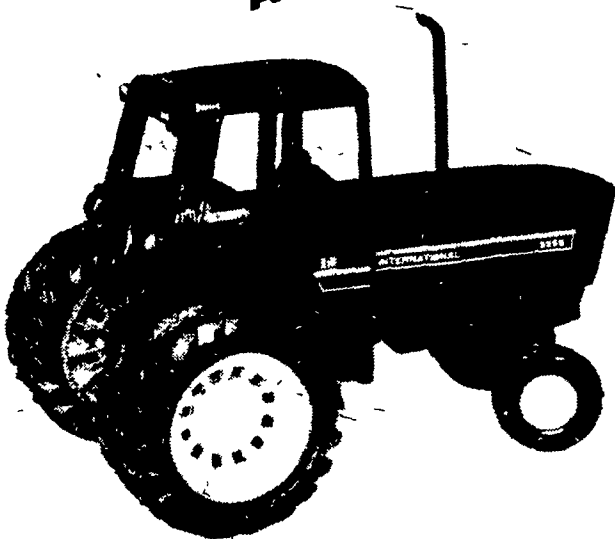


Santa's own hand-carry tool box
Ideal gift for Dad...he'll be able to take his tools anywhere. Has handy tote tray and low profile for easy transport and storage. 19 1/8 x 6 x 6 1/2. 1132 079 R1.



JUST
ARRIVED!

THE NEW NUMBER 1 TOY MODELS



MODEL 5288
No. 487: L. 11"xW. 8-11/16"xH. 8 1/4"



No. 468: L. 11" x 6-7/16" x H. 8 1/4"

20% OFF
ALL
TOYS
IN
STOCK



MERRY CHRISTMAS

...And May This Season Bring Much Cheer To Your Home and Heart in Every Way. Very Sincere Thanks, Too.

FROM EVERYONE AT

C.B. HOOBER & SON INC.

INTERCOURSE, PENNA. (717) 768-8231

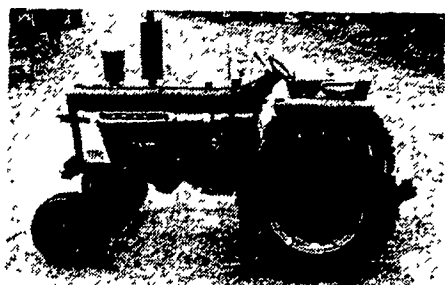


YEAR-END SALE

FROM DECEMBER 19 to JANUARY 16, 1982
OUR LOT OPEN FOR INSPECTION EVERY DAY.

WE WILL BILL
IN 1981 OR
1982, WHICH-
EVER YOU NEED
FOR TAXES

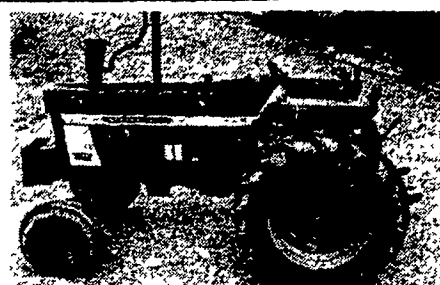
USED TRACTORS



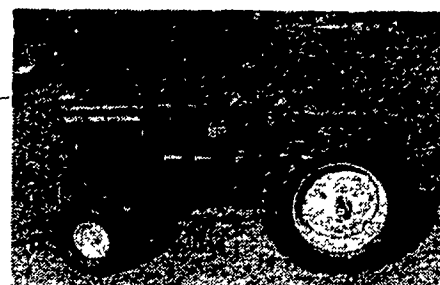
7169 - IH, F806D, 18.4x34 Tires, TA



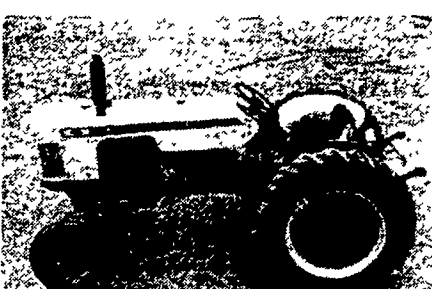
6432 - IH, F1586D, 20.8x38 Tires, Cab w/Air



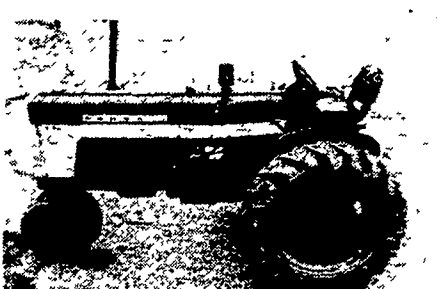
7168 - IH, F1066D, 18.4x38 Tires



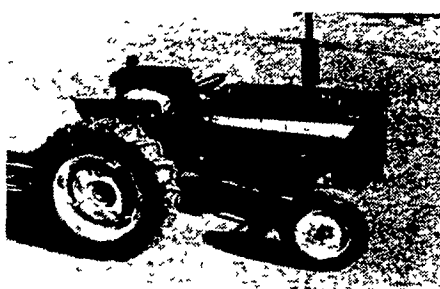
7025 - Deere 4620 Diesel, 20.8x38 Tires



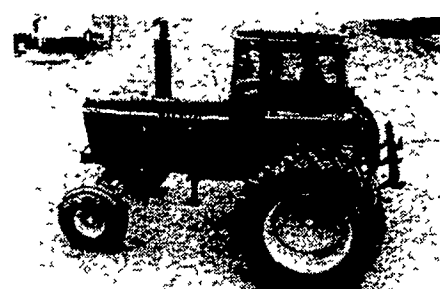
7061 - Case 430 Diesel, New Paint, Reconditioned



7080 - IH, F560 Gas



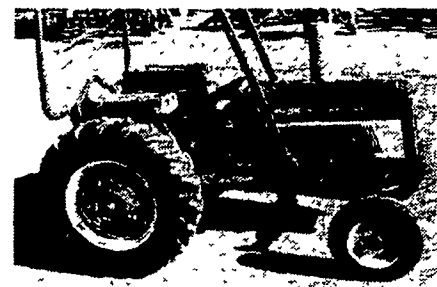
6999 - IH, 444 Diesel, Gear



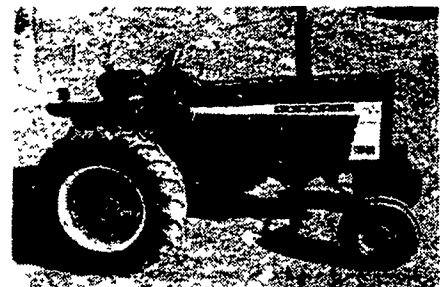
7009 - Deere, 4630, 20.8x38 Duals, Cab w/Air



6526 - IH - 125C Crawler Loader



6998 - IH - 574D, Row Crop w/ROPS



5583 - IH - F806D, 18.4x34 Tires, TA



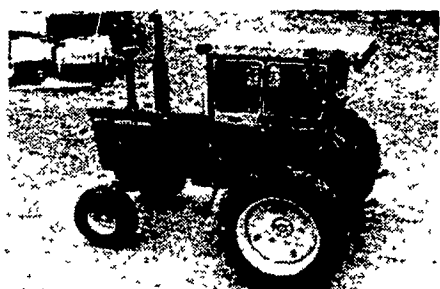
6879 - IH - F686D, Year-A-Round Cab, 968 Hours



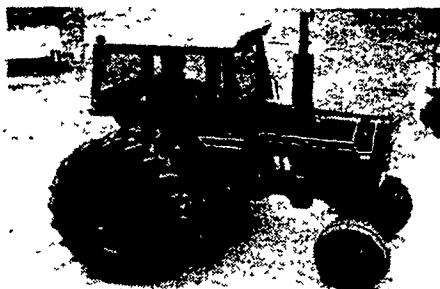
6895 - Deere - 4630, 20.8x38 Duals, New Engine



6934 - IH - 574D Utility



1709 - Deere 4620 D, Yr-A-Rd Cab w/Air



6562 - IH - F1566D w/Cab & Air, Dual 20.8x38



7078 - IH - F1066D, 20.8x38



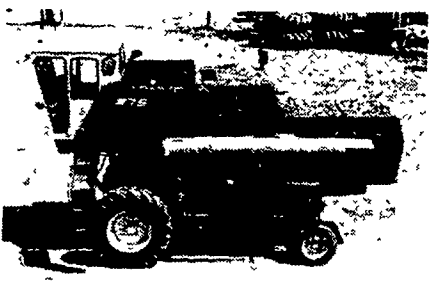
5972 - IH - F986D (Rental) Special Price



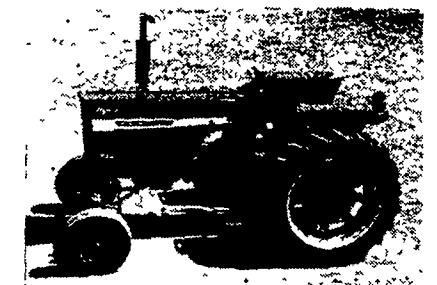
6530 - IH - F1066D, Cab, 20.8x38



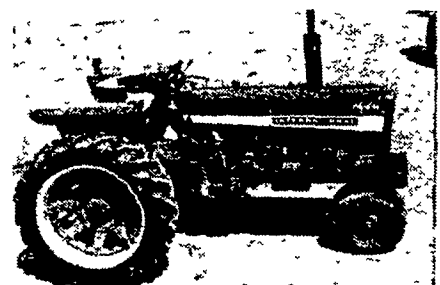
5742 - IH - 915 Diesel Hydrostatic



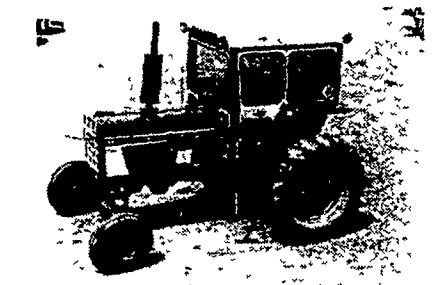
6098 - NH - 975 Gas, Gear, Cab w/Heat



6702 - IH - F544 Diesel, Hydro., Completely Reconditioned



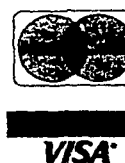
6186 - IH - F656 Diesel, Hydro



6879 - IH F 686D, Gear, Cab w/Heat

ALL NEW & USED
PRODUCTS BACKED BY
**HOOBER PARTS
& SERVICE**

RADIO CONTROLLED TRUCKS FOR BETTER SERVICE
C. B. HOOBER & SON INC.
INTERCOURSE, PA (717) 768-8231 AUTHORIZED UPS STATION

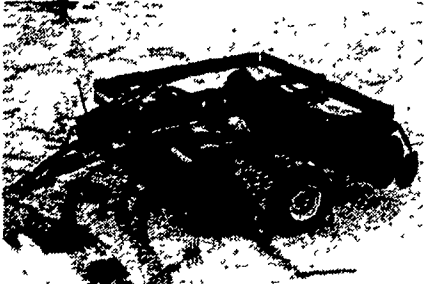


NEW YEAR SALE

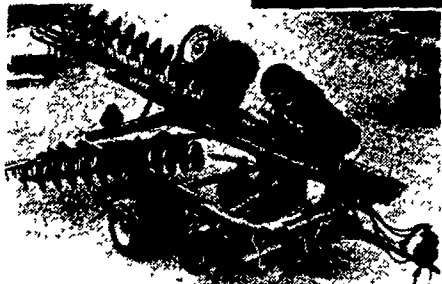
ALL OF OUR USED INVENTORY AND MOST OF OUR NEW ARE SPECIALLY PRICED ON WHITE TAGS. MANY PRICED BELOW WHOLESALE. STOP IN AND LOOK AROUND.

WAIVER OF FINANCE AVAILABLE ON MOST NEW & USED ITEMS

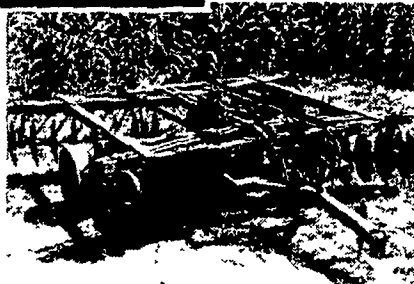
USED TILLAGE



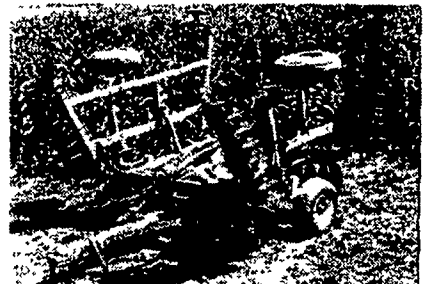
7191 IH - 500 Disc Harrow, New Blades & Bearings



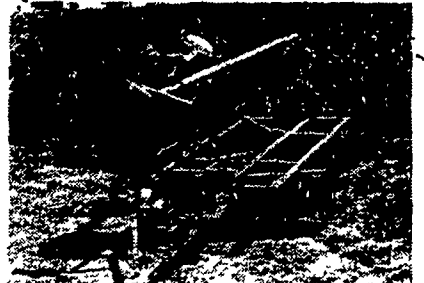
6933 Deere 220 Single-wing Disc, 18', w/mulchers



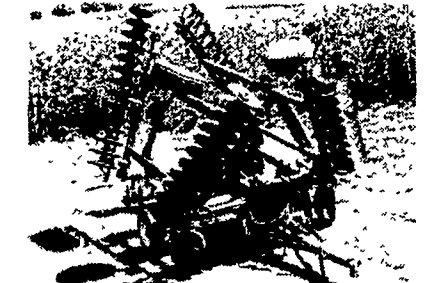
6722 King - 12' Rock Disc, Notched Blades



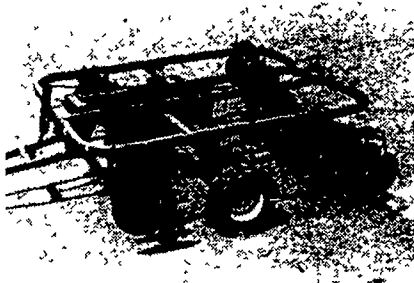
6449 Krause - 1425 Rockflex Disc, 21'



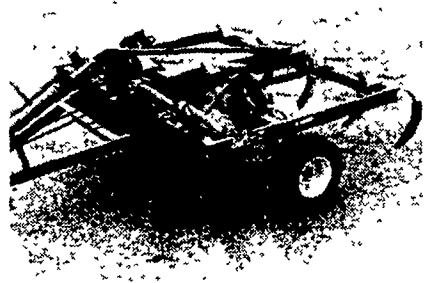
6720 Sunflower - H2-14 Offset Disc, 14'



6021 Krause - 1928 Rockflex Disc - 25'



6651 Deere - 210, 11' Tandem

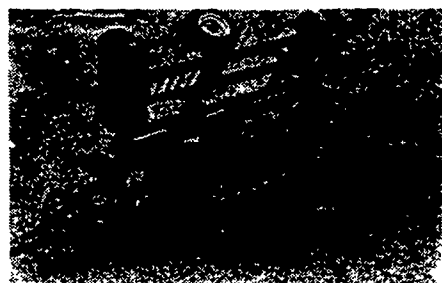


7026 Glencoe Soilsaver - 7 Shank, Like New

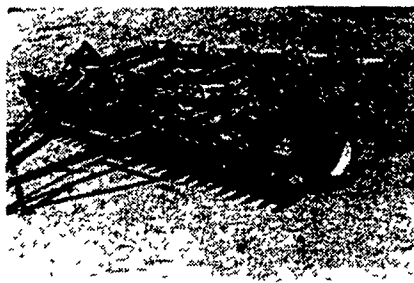
SKID LOADER



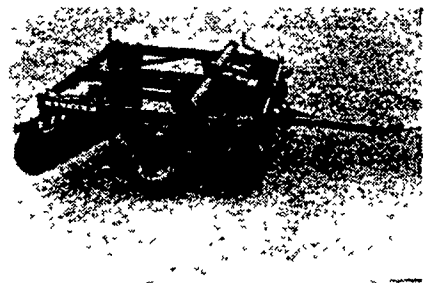
6081 - (New) IH - 4125 Skid Loader, 23 Hours



7157 Sunflower - H2-12 Offset Disc, 12'

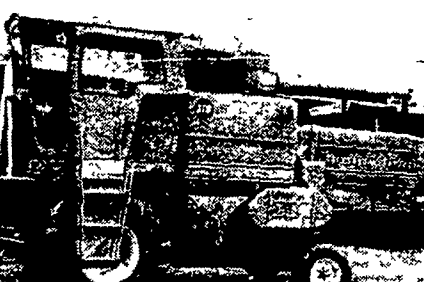


6493 Glencoe Soilsaver - 11 Shank



6533 Oliver - 12' Disc

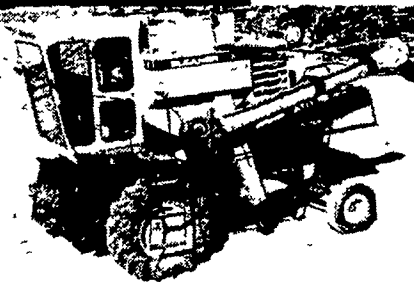
USED COMBINES



7222 MF, 510 Diesel, Hydro, Cab w/Air



7223 Deere, 3300 Diesel, Gear, Cab w/Air



7158 AC, Gleaner FKS, Gas, Gear, Cab w/Air



7098 NH, TR-70 Diesel, Gear, Cab w/Air

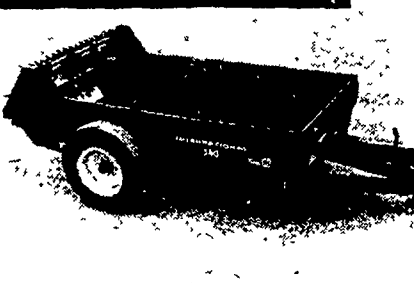
USED MISCELLANEOUS



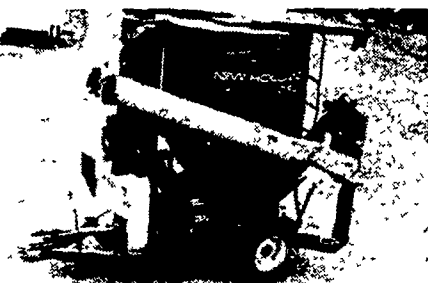
6975 IH, #10 Grain Drill, 16x7, Single Disc Opener



6754 IH, 110 Forage Box w/roof, 8 Ton Gear



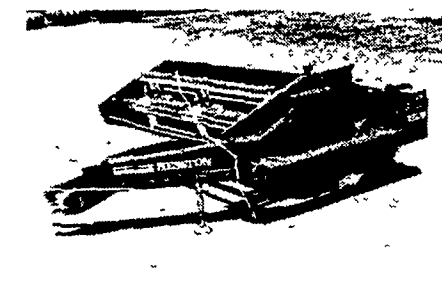
7181 IH, 540 Spreader w/Upper Beater



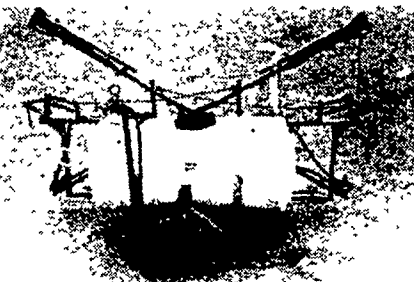
7044 NH, 353 Grinder-Mixer, 540 PTO



6495 Lely, WGR Spreader - Reconditioned



6743 Hesston, 1090 Mower Conditioner, 9'



6981 Century, 150 Gallon, 3 Point



7074 Bearcat, 72A Flail Chopper

ALL NEW & USED PRODUCTS BACKED BY **HOOBER PARTS & SERVICE**

RADIO CONTROLLED TRUCKS FOR BETTER SERVICE
C.B. HOOBER & SON INC.

INTERCOURSE, PA

(717) 768-8231

AUTHORIZED UPS STATION



FARM EQUIPMENT

Gasoline or Diesel Engine Repair Engines mounted on equipment. Lombardini Diesels. Custom made hydraulic units and air compressors. Benuei Beiler, 242 Pennsy Rd., New Providence, PA

FARM EQUIPMENT

JD Lawn tractor cab, like new, fits 200 series lawn tractors. 717-536 3536 Perry Co., PA

FARM EQUIPMENT

JD 500 wheel loader backhoe \$4500. DENNIS M. MILLER EQUIPMENT Rt. 22 Grantville, PA 717-838-1888 anytime 717-469 0937 daily

HAYBUSTER BIG BALE BUSTER THE SENSIBLE SOLUTION FOR FIELD OR FEED BUNK FEEDING

Just lower the fork (hydraulic operation), back it under the bale and the bale is lifted into the shredder.

Use the BALE BUSTER for "bedding" - inside or outside. Drop adjustable deflector down for range feeding. Spreads bale in an easy-to-feed windrow.

Shredding big bales into feed bunks is an easy job for the BALE BUSTER. Flow control valve regulates grinding for coarse or fine feed... SENSIBLE!

Shred big bales right in the field for range feeding. The BALE BUSTER lays ground hay evenly in easy-to-feed windrows - no trampling or hogging by cattle... SENSIBLE! A one man operation, simply back up



to the bale... pick it up with the fork... tilt it into the BALE BUSTER... all in a few seconds. You're ready to shred hay into feed bunks or field windrows... SENSIBLE! (Bunk feeder attachment optional)

RED WING FARMS

Fleetwood, Pa.

215-944-0791 or 215-944-9583

TRIPLE H EQUIPMENT

Peach Bottom, Pa.

717-548-2640 or 717-548-2094

HAYBUSTER

Box 1950
Jamestown, ND 58401
Phone 701 252 4601



LOVE... FAITH...
PEACE

Of these three eternal gifts the greatest is Love. At this glorious season we hope this most precious gift will be yours.

From All Of Us At Norman D. Clark & Son...

• Kenneth Kent • Robert Peterson
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NORMAN D. CLARK & SON

Honey Grove, PA 17035 - Phone 717-734-3682
Located 14 Miles South Port Royal on Rt 75

VERMEER

TRIPLE H EQUIPMENT

Peach Bottom, Pa.
717-548-2640 or 717-548-2094



NEW VERMEER EQUIP.

Call For Spring Terms

- 2-605D balers
- 4-504F baler, only 1 left
- 1-505D baler
- 1-MC 9 mower-cond., \$6470
- 3-F100 bale feeders, \$2495
- 1-500 gpm irrigation system, mobile equip., soft hose, 1/2 price - \$7400

NEW HAYBUSTER EQUIP.

- 2-Haybuster model no. 1068 no till semi-mtd. grain drills
- 1-Tye 3 pt. no till drill
- 1-Bale Buster for mulching lg. round bales

MISC. NEW EQUIP.

- 2-Kelly log splitters engine drive
- 2-600 lb. fert. spreaders, \$320
- 1-1450 lb. fert. spreader, \$780

LAHMAN SKID STEER LOADERS

- 1-30 hp, 2 buckets, \$8000
- 1-23 hp, 2 buckets, \$6200

NEW SHIPMENT VICON EQ.

Cash Discount on '81 Prices

- 1-PTO tedder - rake
- 3-5 wheel 3 pt. hitch rakes
- 1-6 wheel trailer rake
- 2-8 wheel - V-rakes
- 2-2400 lb. fert. spreaders
- 2-1900 lb. fert. spreader
- 3-950 lbs. fert. spreader
- 1-600 lb. fert. spreader
- 1-8' 3 pt. hitch disc mower

USED & DEMO EQUIP.

- 1-Vicon 15' power harrow, demo
- 2-Vicon 8' mower-conditioners, used
- 1-Vicon 8' mower-conditioner, demo
- 1-Lely tedder rake, used
- 1-Badger manure souper, 10' demo
- 2-used NH balers
- 1-SP Hesston windrower
- 1-605D Vermeer Baler
- 1-605E Vermeer Baler
- 2-540F Vermeer Baler
- 1-#10 Hesston Stackhand
- 1-Model 340 JD Disc Harrow

* STAR STUDDED SALE *

NEW EQUIPMENT:

	List	Asking
• AC 5020 Dsl. (25 hp) Tractor	\$7,538.00	\$5,275.00
• AC 5020 Dsl. FWD (25 hp.) Tractor	8,319.00	5,860.00
• AC 5050 Dsl. FWD (50 hp) Tractor & Loader	23,625.00	15,990.00
• AC 5050 Dsl. (50 hp) Tractor	16,143.00	9,995.00
• AC 6060 Dsl. (60 hp) Tractor	18,874.00	12,900.00
• AC 6080 Dsl. (80 hp) Tractor	23,756.00	15,500.00
• AC 7010 Dsl. (106 hp) Tractor & Cab, PS	39,625.00	23,900.00
• AC 2600 (19'10") Fold up Disc Harrow	10,859.00	6,700.00
• AC 1200 (14') Mounted Cultivator	1,728.00	1,295.00
• AC 770 Corn Planter 4 Row, Air, Dry	5,800.00	4,100.00
• AC 333 Corn Planter 4 Row, Plate, Dry	8,420.00	6,995.00
• AC 2313 Disc Harrow 13', 22" Disc	3,620.00	2,650.00
• AC 83 Mtd. Plow 3 Bott, 16"	1,637.00	1,100.00
• N.I. 323 1 Row Corn Picker	7167.40	5,500.00
• N.I. 324 WR 2 row Picker & 12 Roll Husker	13,357.00	8,995.00
• N.I. 279 Cut-Ditioner	6,313.00	4,600.00
• N.I. 106 Fert. Spreader	645.00	495.00
• N.I. 107 Fert. Spreader	609.00	535.00
• N.I. 621 Forage Blower	2,140.00	1,620.00
• Hesston 1090 Mower Cond.	6,430.00	4,950.00
• G.T. 370 Grain Dryer	8,650.00	6,750.00
• G.T. 580 Grain Dryer	14,243.00	12,500.00
• Danuser MS-1 H.D. Log Splitter	735.00	550.00
• Haban Corn Sheller, 3 pt. Hitch	1,984.00	1,495.00
• Woods 60 Pull type Mower	1,243.00	960.00
• Badger 5800L 1500 gal. Manure tank	6,875.00	4,930.00
• Brillion 8'9" Soil Builder	4,995.00	4,120.00
• Brillion 16' STS Fold up Harrow	1,952.00	1,590.00
• Grumm Model "B" Ground Drive Tedder	1,440.00	1,100.00
• Grumm Model "C" PTO Tedder	1,540.00	1,375.00

USED EQUIPMENT:

	Now
• AC 7000 Dsl. (106 hp) w/Cab Tractor	15,900.00
• AC 175 Dsl. (62 hp) Tractor	8,900.00
• IH 2606 Tractor Dsl. (53 hp)	3,400.00
• Case 400 Tractor	995.00
• Ford 901 Tractor	1,800.00
• IH 574 Tractor	5,200.00
• MF 410 Combine w/Heads	10,900.00
• MF 510 Combine w/Heads	18,995.00
• N.I. 704 Uni Power Unit & Cab	14,900.00
• J.D. 7700 Combine w/Heads (FEB)	32,000.00
• I.H. 715 Combine w/Heads	15,000.00
• Sunflower GS-14-Offset Disc	4,900.00
• Sunflower GS-16' Offset Disc	4,900.00
• N.I. 325 N.R. 2 row Picker & 12 Roll Husker	4,995.00
• N.I. 319 Mtd. Picker Sheller	2,900.00
• NI 720 Corn Header	400.00
• Hesston PT-10 Windrower	1,500.00
• JD 24T Baler & Thrower	1,600.00
• NH 460 Windrower	880.00
• IH 400 Cyclo 6 Row Planter	3,900.00
• JD 3800 Forage Harvester w/Heads	4,500.00

"Conditions of Sale"

- 1- Prices F.O.B. Dealership
- 2- Some Prices Include Rebates
- 3- Trade-ins Considered.
- 4- Cash or Retail contract.
- 5- Location — Intersection Rts. 147 & 225

**MECKLEY'S
GARAGE**

717-758-3915
Herndon, PA

FARM EQUIPMENT

FOR SALE
John Deere 2640 tractor, Hi-Lo shift with a 1 model 146 John Deere loader Ford 8N tractor.
717-297-3513

FARM EQUIPMENT

Ivan's Rental & Leasing
SKID LOADER
Crew Cab Pickups Trailers
717-768-3052
RD 1, Gap, PA 17527

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FOR SALE
8 KW PTO generator on wheels, \$950
Schedule 80 PVC pipe 3" & 4" Victaulic couplings.
215-286-9510

FARM EQUIPMENT

MF 550 diesel combine 4 row narrow corn head, 13' grain table.
MF Super 90 diesel, needs motor work.
717-859-2712

FARM EQUIPMENT

JD 630 tractor 3 pt excellent condition \$2750 or best offer. Also 3 pt Vanguard wood splitter, 2 months old \$600 or offer 301-795-9631

FARM EQUIPMENT

For Sale - JD 4230 Tractor, QR, excellent condition \$12,000
301 795 9631
MF 35 Diesel tractor, good condition \$2300
301 829 0271

Cagle



A JOYOUS CHRISTMAS

LET US NOT FORGET THE TRUE MEANING OF CHRISTMAS, THE BIRTH OF CHRIST THE LOVE HE HAD, TO DIE FOR OUR SINS. MAY WE LET THAT LOVE SHINE FORTH THIS JOYOUS CHRISTMAS SEASON AND THROUGHOUT THE NEW YEAR.

case

BINKLEY & HURST BROS.
133 Rothsville Station Rd., Lititz, PA 17543

Season's Greetings

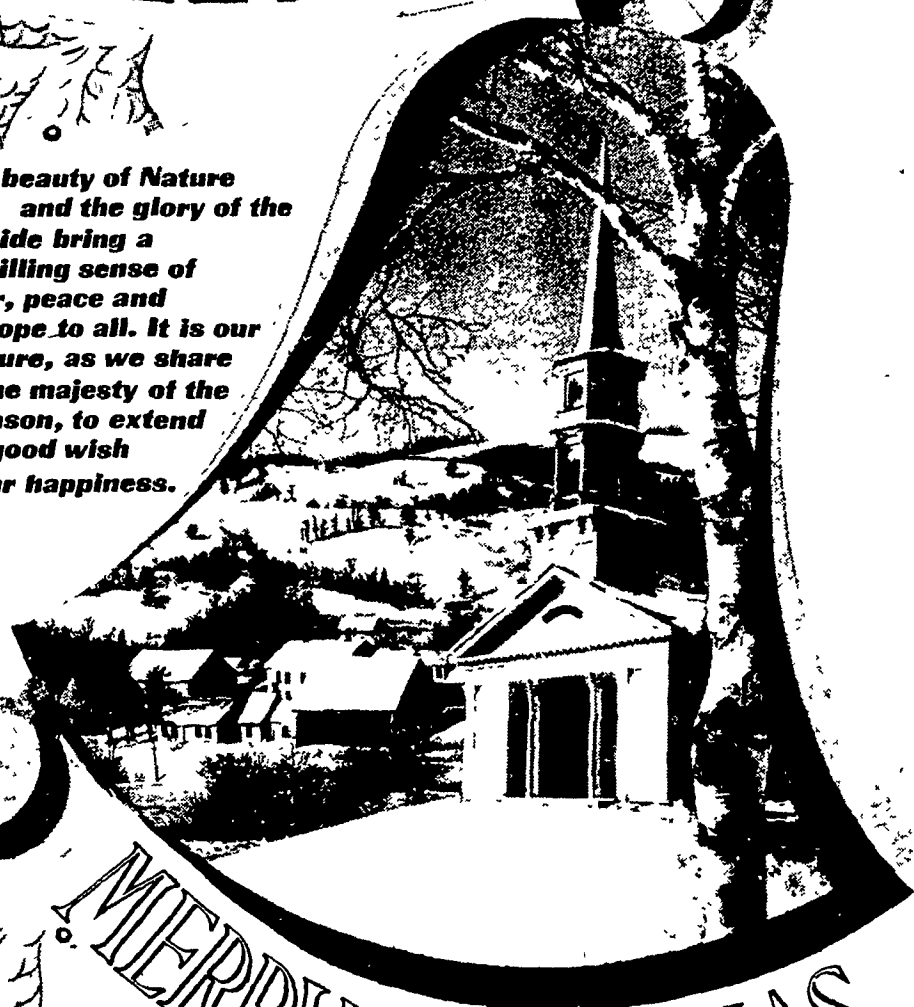


MESSICK FARM EQUIPMENT INC.

RHEEMS EXIT - RT. 283 ELIZABETHTOWN, PA.

GREETINGS

The beauty of Nature and the glory of the Yuletide bring a fulfilling sense of wonder, peace and hope to all. It is our pleasure, as we share the majesty of the season, to extend every good wish for your happiness.



MERRY CHRISTMAS
FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road, Ephrata, PA
Located in the Village of Farmersville, Lancaster County

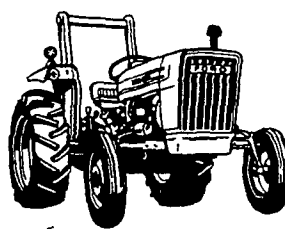


BROOKS FORD TRACTOR, INC.



FALL OIL SPECIAL
10 WT. DIESEL ENGINE OIL
1/2 PRICE SALE PRICE **\$3.10** gal.
Reg. \$6.25 gal.

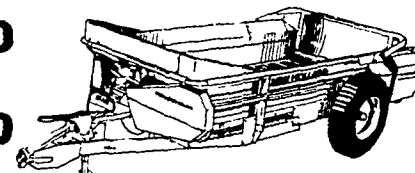
FORD CLEARANCE SPECIALS



(While They Last)
1981 FORD 3600 (40 H.P.) No Trade **\$10,200**
1981 FORD 6600 (68 H.P.) No Trade **\$15,500**
1979 FORD 4600 With Cab 830 Hrs. No Trade **\$11,300**
1932 FORDSON **\$400**

NEW HOLLAND SPECIALS

Lease Returns (1) 513
Spreader 2 Beater w/manure pan **\$3,000**
Lease Returns (3) 519
Spreader 2 Beater w/Manure Pan **\$3,500**
(1) 303 Liquid Spreader **\$9,200**



GOOD USED EQUIPMENT

Mower Conditioner Owatonna 208	Spreader New Idea 217
Mower Conditioner I.H. 816	Plow (2 way) Ford 145
Mower Conditioner A.C. 390	Trailmower New Idea 254
Mower Conditioner New Idea 290	Harvester N.H. 707
Flail Chopper N.H. 33	Crusher N.H. 404
Baler N.H. 273	Forage Wagons N.H. 7

BROOKS FORD TRACTOR, INC.

West College Avenue
Pleasant Gap, PA 16823
PH: 814-359-2751



SALES DAYS

■ PARTS ■ NEW EQUIPMENT
■ GOOD USED EQUIPMENT

DECEMBER 24, 1981

THRU

JANUARY 8, 1982

Mon. Thru Friday 7 A.M. to 5 P.M.

Saturday 7 A.M. to Noon

Closed Dec. 25, 26, Jan. 1

MF 7 PIECE SCREWDRIVER SET

All tools have a full, Lifetime Warranty

- Contents - Seven Screwdrivers
- 4" round blade
 - 6" round blade
 - 8" round blade
 - No. 1 Phillips
 - No. 2 Phillips
 - Stubby Screwdriver
 - Pocket Screwdriver
 - Plastic Tray

SALE... **\$9.95**

MF 15 PIECE 3/4" DRIVE SOCKET SET

Contents - Thirteen Regular Length 12 Point Sockets (7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 11/16", 1 3/4", 2") Ratchet, 8" Extension & Sturdy Metal Box

SALE... **\$95.95**

MF 14 PIECE COMBINATION WRENCH SET

Contents - Fourteen Combination Wrenches (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4") and Tool Roll

SALE... **\$73.45**

MF 14 PIECE 1/2" DRIVE SOCKET SET

Contents - Twelve Regular Length 12 Point Sockets (7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/8", 1 1/4") Ratchet, 5" Extension, and Sturdy Metal Box

SALE... **\$34.40**

HYDRAULIC HAND JACKS & LIFTING EQUIPMENT

Sturdy malleable iron base and head. Forged steel load rest designed to prevent slipping. Twelve and twenty ton models have positioning handle. All models equipped with two-piece pump handle. Individually packaged with handle in carton.

6 ton	Sale \$22.05
8 Ton	Sale \$29.75
12 Ton	Sale \$34.13
20 Ton	Sale \$67.43

ALL PURPOSE JACK (Same As Handyman) 7,000 lb. Capacity

SALE **\$39.95**

HYDRAULIC CYLINDERS



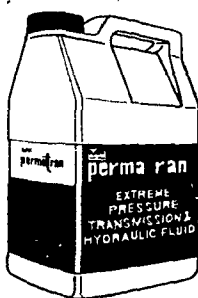
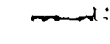
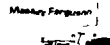
3"x8"	3 1/2"x8"	4"x8"
SALE \$64.20	SALE \$79.40	SALE \$92.65
■ Hardened Rod	■ Hardened pins & bushings	
■ Larger Tie Bolts	■ Stronger rolled threads on the bolts	
■ Double base ports	■ Harder "O" Ring (90 Durometer) with polyurethane back up seals	
■ Pre-Stressed Tie Bolt material		

HYDRAULIC HOSE INSTANT SERVICE!

for your farm, construction, transportation equipment
Our new Massey Ferguson Hydraulic Hose Assembly Equipment can provide almost any Factory-type permanently attached Hydraulic Hose Assembly you may need... in minutes.

3/8" 2 Wire Hose Sale	\$1.60 ft.
1/2" 2 Wire Hose Sale	\$1.80 ft.

MF
Massey Ferguson



HYDRAULIC & TRANSMISSION OIL

15% Discount
Off Regular Price

Gives peak performance at extreme pressures and high temperatures. Made to meet MF engineering requirements.



ENGINE OIL - SAE 10W-H.D.

Approved for Gasoline, Diesel and L.P.G. Engine

SALE **75¢** per qt.



15% OFF
REGULAR PRICE

★ Bring Your Own Containers -
Get Bulk Price
"BUY QUALITY"

GREASE GUNS

Lever Action	Sale \$7.78
Piston Action	Sale \$14.22
Flexible Grease Hose	Sale \$2.56

GREASE TUBE CARTRIDGE

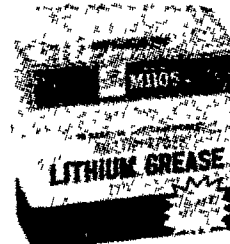
MF "Engineering specified" and approved M-1105 Grease is a premium grade, extreme pressure multi-purpose lithium base grease. Timken approved for bearing applications.



14 1/2 oz.

Sale **79¢**

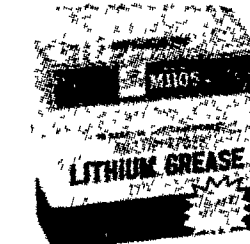
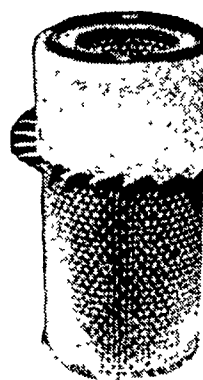
or
\$7.50 for box of 10



ALL FUEL, OIL & AIR FILTERS



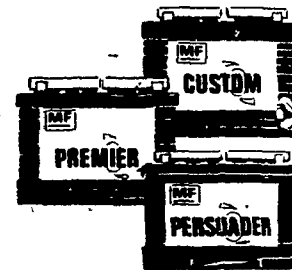
15% OFF
Regular Price



WINTER SALE ITEMS

MF BATTERIES

15% OFF
REGULAR PRICE
THE
DEPENDABLE
PERFORMERS

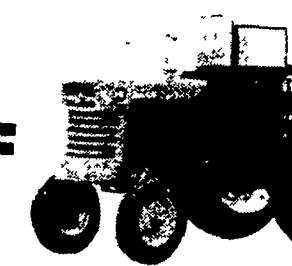


BATTERY ACCESSORIES

Battery Terminal Puller	\$7.85
Battery Filler Bottle	\$6.75
Battery Terminal Cleaner	\$3.54

WEATHER GUARDS

15% OFF
REGULAR PRICE
While Supply Lasts



DELUXE WEATHER GUARDS

Fully enclosed tractor cab built with tubular steel frame and steel top for extra strength.

- Safety Glass Windshield - tinted to cut down sun's rays
- Front Furrow vision - 2 furrow windows of tempered glass
- Left and right hand door - no walking around tractor - easy access from either side.

Only 2 In Stock

(1) for MF 165-175	\$465.80
(1) for MF 1105-1135-1085	\$351.05



ETHER

8.3 oz. Can

\$1.49

11.0 oz. Can

\$1.70

Buy in case lots and receive an extra 5% Discount



ENGINE BLOCK HEATER

MF Engine block heaters are easy to install & increase battery & engine life.

Automatic temp. control prevents over heating. U.L. & C.S.A. approved.

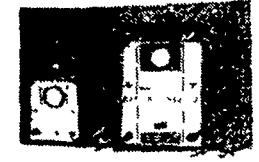
15% OFF
Reg. Price

PURSUADER BOOSTER CABLES

12 Ft. #69A 400 Amp	\$15.98
16 Ft. #49A 400 Amp	\$20.87
20 Ft. #49A 400 Amp	\$24.48

BATTERY CHARGERS

20 Amp	\$98.69
6 Amp	\$45.82



Please mail or call large parts orders now for processing prior to sale days.



M.M. WEAVER

LEOLA, PENNA. 17540
PHONE: 717-656-2321

Located: 4 m one-half mile Road, one m Church.

DECEMBER 24, 1981

THRU
JANUARY 8, 1982

Friday 7 A.M. to 5 P.M.
Saturday 7 A.M. to Noon
Dec. 25, 26, 27, 28, 29, 30, 31

OPEN HOUSE

SPECIAL 1 DAY ONLY- WEDNESDAY, JANUARY 6, 1982

Maintenance and
Operation Seminars

10:30 A.M. Tractors
2:00 P.M. Combines

LUNCH
WILL BE
SERVED
11-3

★ Representatives from various manufacturers will
be on hand to demonstrate products and answer
questions
★ Join us during Open House for Fun & Fellowship

IS SPECIALS CASH & CARRY

EMS



DRIES

.....\$7.85
.....\$6.75
.....\$3.54



sun's rays
tempered glass
round tractor - easy

ock

.....\$465.80
.....\$351.05



IGINE
OCK HEATER

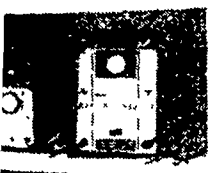
Engine block heat-
ers are easy to install &
rease battery &
gine life.
omatic temp. control
vents over heati
& C.S.A. approval.

15% OFF

Reg. Price

UADER
R CABLES

SALE
np\$15.98
np\$20.87
np\$24.48



TILLAGE PARTS

PLOW PARTS
15% OFF
Regular Price



TWISTED CHISEL POINTS

Heat treated, tumbled & varnished
1/2" thick for longer wear
Fits 2 1/4" centers for 7/16" plow bolts

3x1/2x22 R.H....\$9.95
3x1/2x22 L.H....\$9.95

NEW SURPLUS SPECIALS

Part #	Description	Model #	SALE PRICE
10019A91	Pre Cleaner	MF 1150	\$39.84
10169A91	Vert. ExH	Mt230-235	\$43.04
10199A91	Air		
	Conditioner	Mt1505-1805	\$547.50
677439	PTO Ext.	Mt 165-175-180	\$42.53
677612	3 Point		
	Linkage	Mt 20-30 Ind.	\$141.78
10092A91	Pre Cleaner	1105-1135-1155	\$31.65
10151A91	Lower Link		
	Conversion	1105-1135-1155	\$254.29
677467	Pre Cleaner	150-165-175-180	\$28.37
677578	Drawbar		
	Hammer Strap	1100-1130-1150	\$31.10
6593	Pre Cleaner	1080	\$20.58
677600	Stabilizer	1080	\$75.45
1000 lb.	Wheel		
(each)	Weights	1100-1130-1150	\$750.00

NEW WAGON PARTS

15x5 Wheels, 6 Lug	\$10.00
15x6 Wheels, 6 Lug	\$20.00
15x8 Wheels, 6 Lug	\$25.00
15x10 Wheels, 6 Lug	\$25.00

FRONT END WEIGHTS

Easy-to-mount
weight frames add
safety & stability
SALE..\$35.00
While They Last

COTTER PIN ASSORTMENT

SALE \$4.14

SPRING PIN ASSORTMENT

SALE \$7.80

HITCHPIN CLIP ASSORTMENT

SALE \$3.91

CHEMICALS

HAND CLEANER

1 lb. Sale \$1.33
4 1/2 lb. Sale \$5.82



ENGINE DEGREASER

Ideal for cleaning inside engine
compartment. Spray on
from aerosol can, wash off with
plain water pressure.



\$3.15

PAINT

Red or Gray

- Spray Can \$2.53
- Quart \$6.72
- Gallon \$22.80



MF FIRE EXTINGUISHERS

All Massey Ferguson Fire Extinguishers use A
B C Chemical. Class A includes burning
wood, paper, fabric and other ordinary
combustibles. Class B is fire on top of liquids
like gasoline, grease or oil. Class C is fire in
live electrical circuits. A B C Chemical has
been proven to be most effective in ex-
tinguishing stubborn and costly equipment
fires.



2 3/4 lbs. \$17.60
5 lbs. \$24.44
10 lbs. \$42.63

SMV Emblem	\$5.06
SMV Decal	\$3.87
SMV Spade Mount	\$1.19
SMV Socket	\$.98

PRESSURE WASHERS

New Models:

7550 Pressure Washer .. \$425.85
7650 Pressure Washer .. \$566.00
7750 Pressure Washer \$1037.00



Sell Out on Old Models:

450 Pressure Washer \$192.00
500 Pressure Washer \$265.00
600 Pressure Washer \$440.00

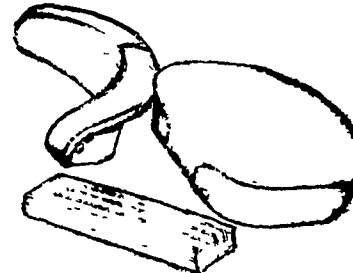
PRESSURE WASHER SOAP

General Purpose

10 lb. Pkg. \$15.92
Heavy Duty
10 lb. Pkg. \$15.51



SEAT
APPLICATIONS
FOR MF
AG TRACTORS
15% OFF
Reg. Price

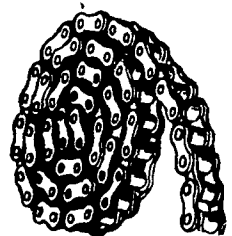


MF BELTS
Genuine Massey Ferguson
engineering approved
15% OFF
Regular Price



ROLLER CHAIN

Shot-peened parts, solid rollers,
factory pre-stitched, vacuum pre-
lubrication. This chain is made of
special bushings and pins, and
offers tremendous RPM & fatigue
resistance.



#40 \$1.41 per/ft.
#50 \$1.93 per/ft. #50 double \$4.20 per/ft.
#60 \$2.74 per/ft. #60 double \$5.93 per/ft.

CUTTER BAR PARTS



HART CARTER or MF FLOATING CUTTER BARS

H.C. Sections 99¢ H.C. Guards \$5.36
M.F. Rigid Headers (Special)
Rigid Sections 82¢ Rigid Guards \$4.78

Buy complete Knives and have a spare at
15% OFF Regular Price

LOG CHAINS

5/16 40 Grade Chain .. \$2.38
3/8 40 Grade Chain ... \$2.92



MATERIAL - High carbon steel. Minimum
+ ensile 85,000 psi.

5/16 30 Grade Chain \$1.65
3/8 30 Grade Chain \$2.38
MATERIAL - Low carbon steel. Minimum tensile
55,000 psi

CLEVIS HOOKS

For use with Grade 30
Proof Coil Chain or
Grade 40 High Test Chain



5/16 grab hooks \$2.02
3/8 grab hooks \$3.26

LINCH PINS

4 for \$1.00



WEAVER & SONS, INC.

NA. 17540
656-2321

Located: 4 miles west of New Holland on Route 23, one and
one-half miles northeast of Leola, on the North Groffdale
Road, one mile on the right, opposite Groffdale Mennonite
Church.

10% OFF ON ALL
OTHER PARTS
SOLD OVER COUNTER FROM
DEC. 28 to JAN. 8, 1982
★ CASH & CARRY ★

FOR MORE SPECIALS
TURN THE PAGE



**45th
ANNIVERSARY**

SALE

★ **GOOD USED
EQUIPMENT**

★ **NEW EQUIPMENT**

**DEC. 28
thru
JAN. 8**

SPECIAL

**FOR THE MONTH OF DECEMBER MF IS OFFERING
A 15% DISCOUNT ON MOST NEW TRACTORS, COMBINES AND EQUIPMENT.**

**10% DISCOUNT ON NO TRADE DEALS ON ALL USED MACHINES ON THIS
LIST AND ALSO ON NEW MACHINES THAT DO NOT
QUALIFY FOR THE MF DISCOUNT.**

A Special Waiver and Low Rate Financing on Certain Machines

USED CORN HEADS

MF 83 8 Row 30" (2)	@ \$7000.00
MF 63 C 6 Row 30" (2)	@ \$2500.00
MF 63 6 Row 30" (4)	@ \$2100.00
MF 44 4 Row 38" (2)	@ \$3500.00
MF 44 4 Row 38" (9)	@ \$2500.00
MF 44 4 Row 38" (3)	@ \$2100.00
MF 43 4 Row 30" (1)	@ \$2500.00
MF 33 3 Row 30"	\$2500.00
MF 24 2 Row 38"	\$2200.00
MF 422 4 Row To Fit 510	\$1200.00
MF 621 4 Row To Fit 510	\$1200.00
MF 322 3 Row To Fit 410	\$200.00

NEW & DEMO HAY, FORAGE & PLANTING

MF 200 Harvester w/2 Row Head	\$5700.00
(4) MF 1 row Corn Head for 200	@ \$900.00
MF 260 Harvester 3 Row Head	\$7200.00
MF 260 Harvester w/Used 2 Row	\$6100.00
MF 22 Bale Thrower	\$1520.00
MF 925 9' Haybine	\$4800.00
MF 37 PT Hay Rake	\$1650.00
(2) Farmhand F7 Hay Rake	@ \$1995.00
Farmhand M 25 Hay Rake	\$975.00
Niemeyer Hay Tedder	\$1525.00
(2) Mott 3 pt. 72" Flail Mower	@ \$1500.00
(4) Farmhand Corn Processor	\$4500.00
(4) Conveyor For Above	@ \$950.00
MF 1050 Grinder Mixer	\$5700.00
MF 468 6 Row Cornplanter	\$2588.00
Farmhand 815 Grinder Mixer	\$4900.00
EZ 14' Forage Box, Roof, 10 Ton Gear	\$4015.00
EZ 14' Forage Box, 10 Ton Gear	\$3715.00
EZ 14' Forage Box, 1074 Gear	\$3950.00

TRACTORS USED

MF 1155 8 Sp	\$11,000.00
MF Super 90 Diesel	\$3900.00
MF 1085 M P	\$8200.00
Case 1370 Cab	\$14,000.00
MF 6 Riding Mower	\$350.00
MF 33 Wheel Loader	\$9000.00
NW 71 Skid Steer	\$8000.00
MF 14 Lawn Tractor	\$1475.00
JD 2840	\$12,500.00
White 2-150	\$15,000.00
IHC 856	\$8500.00
MF 4840 265 Hp. 4 Wheel	\$39,700.00
JD 4010 Diesel	\$5500.00
MF 235 Diesel	\$5900.00
Long 9500 Diesel	\$4500.00
MF 2675	\$20,000.00

USED PLOWS & TILLAGE

IH 550 5 Btm Plow	\$1500.00
MF 880 4 Btm Plow	\$3500.00
MM 6-16 Hyd Reset Plow	\$2350.00
Glenco 9 Tooth Chisel Plow	\$3700.00
Dunham 3 pt. 10' Chisel Plow	\$1600.00
Case 36 Disc Harrow	\$1550.00
Brady 12' Field Cultivator	\$1200.00
Tandem 20 Disc Harrow	\$250.00
2 Btm Trailer Plow	\$75.00
JD 3 Pt. 4 Row Cultivator	\$500.00
Oliver 4-14" 3 pt. Plow	\$450.00
JD Killifer Offset Disc, 20 Blades	\$250.00
Oliver 7-18" Semi Plow	\$1300.00
Lilliston 10' Rolling Disc Harrow	\$2000.00

NEW & DEMO MISC. EQUIP.

York 6' Scraper	\$230.00
(4) York 7' Scraper	@ \$250.00
York 7' Scraper	\$500.00
York 8' Scraper	@ \$550.00
York 8' #75 Scraper	\$850.00
MF 226 Scraper (3)	@ \$460.00
MF 8 10 Ton Gear 11L	\$1140.00
MF 7 8 Ton Gear	\$775.00
MF 86 12 Ton Tandem Gear	\$1525.00
EZ Pincor Gear	\$250.00
MF 5 Ton 5th Wheel Gear	\$300.00
EZ 672 6 Ton Gear	\$675.00
EZ 872 8 Ton Gear (3)	@ \$830.00
EZ 1074 10 Ton Gear	\$1050.00
MF 216 Q.A. Loader	\$1750.00
MF 32A Loader	\$3500.00
Dunham 22 Loader (2)	@ \$2550.00
Danuser Post Hole Digger	\$875.00
Little Giant Corn Drag	\$780.00
EZ 170 Bu. Gravity Box (2)	@ \$530.00
EZ 220 Bu. Gravity Box	\$900.00
Danuser Post Driver	\$1300.00

USED MISC. EQUIP.

New Holland Tandem Axle Spreader	\$2000.00
Fert. Drill	\$125.00
Fontana Loader	\$800.00
Century Sprayer	\$1250.00
Century Sprayer	\$975.00
7' Snow Blower	\$600.00
Brady 140 Flail Spreader, As-Is	\$150.00
Sauder FHV20 Loader	\$400.00

**WE SOLD 16 NEW MF COMBINES
IN THE MONTH OF NOVEMBER.
CONTACT US NOW FOR
THE BEST SELECTION OF
GOOD USED COMBINES.**

USED COMBINES

1980 MF 760 V8, 15 ft Floating Header, 1163 Corn Head	\$62,000.00
1980 MF 760 V8, 15 ft Floating Header, 1163 Corn Head	\$57,000.00
1980 MF 750 Hydro, 13 ft Grain Head	\$49,500.00
1980 MF 750 Gear Drive, 20 Ft. Floating Header	\$41,000.00
1979 MF 760 V8, 14 Ft Grain Head, 1163 Corn Head	\$51,000.00
1979 MF 760 Hydro 6 Cyl, 15 Ft. Floating Header, 1163 Corn Head	\$49,000.00
1979 MF 760 V8, with Grain Saver & Chopper	\$45,000.00
1978 MF 760 V8, with rear Wheel Drive & Grain Saver	\$48,000.00
1978 MF 510 Hydro, 13 Ft. Grain 4 Row Corn Head	\$27,000.00
1977 MF 750 Hydro, 16 Ft. Floating Header	\$38,000.00
1977 MF 750 Hydro, 14 Ft. Grain Head, 63 Corn Head	\$37,000.00
1977 New Idea 708 Uni System Diesel Hydro w/717 Combine, 744 N 4 Row 30" Corn Head and Husker	\$38,000.00
1976 MF 750 Hydro, 14 Ft Grain Head, 44 Corn Head	\$38,500.00
1976 MF 750 Hydro, 14 Ft. Grain Head	\$29,000.00
1976 MF 750 Gear Drive, 14 Ft. Grain Head, 1144 Corn Head	\$31,000.00
1975 MF 760 V8, 18 Ft Floating Header	\$33,000.00
1975 MF 760 V8, 15 Ft Grain Head	\$29,000.00
1975 MF 300 Gas, 13 Ft Grain Head	\$11,000.00
1974 MF 510 Diesel, 16 Ft Floating Header	\$17,500.00
1974 MF 510 Diesel, 13 Ft Grain Head, 43 Corn Head	\$19,500.00
1974 MF 510 Diesel, Less Heads	\$15,000.00
1972 MF 760 Gear Drive, 16 Ft Grain Head	\$19,500.00
1972 MF 510 Diesel Hydro, 13 Ft. Grain Head	\$14,500.00
1971 Gleaner "G", 13 Ft. Floating Header, 6R30 Corn Head	\$14,500.00
1970 MF 510 Diesel Hydro, Less Heads	\$12,500.00
1968 MF 510 Diesel, 13 Ft. Grain Head, 43 Corn Head	\$15,500.00
1968 MF 510 Diesel, 13 Ft. Grain Head	\$12,500.00
1968 Gleaner CII, 13 Ft Grain Head, 4 Row 36" Corn Head	\$8500.00
MF 510 Gas, 12 Ft Grain Head, 421 Corn Head	\$9000.00
MF 410 Gas, 12 Ft Grain Head, 421 Corn Head	\$7500.00
JD 95 Gas, 13 Ft Grain Head, 3 Row 30" Corn Head	\$8000.00
IH 315 Gas, 12 Ft. Grain Head, 2 Row Corn Head	\$7900.00
IH 315 Gas, 12 Ft Grain Head	\$4900.00
IH 141, 10 Ft Grain Head	\$2000.00
IH 303, 10 Ft. Grain Head, 2 Row Corn Head	\$3900.00
New Idea Sheller Unit	\$900.00

DEMO TRACTOR

MF 2775 24 Sp	\$29,000.00
MF 2745 24 Sp	\$28,500.00
MF 255 M P	\$12,200.00
MF 255 8 Sp. Hi Cl	\$11,900.00
(2) Ind 20C Tractor Cabs	@ \$1500.00
MF 220 - 4 Tractors	\$7,900.00
MF 4840, 265 Hp., 18 sp 3 pt P I O.	\$59,000.00

**25%
PRICE
ROLLBACK
IN DECEMBER**

on MF 4000 Series Tractors



Plus waiver 'til March or 13.9% APR financing

Forget any reasons you may have for not buying a new giant 4-wheel drive tractor now Massey-Ferguson has rolled back our price on new Massey 4000 Series 4WD tractors by 25% for machines sold during December. This means some of the biggest savings we've ever been able to offer on these big-acreage big horsepower tractors. If you buy now and qualify for financing through Massey-Ferguson, we'll make your deal even sweeter with a waiver of finance charges until March 1, 1982 or 13.9% annual percentage rate financing for two years.

15% Price Rollback on all other new MF equipment.

The savings go on and on because Massey has given us a 15% rollback on all other new MF machines sold during December 1981. Tractors, combines, hay tools, implements, industrial machines — you name it. The time to save is now!

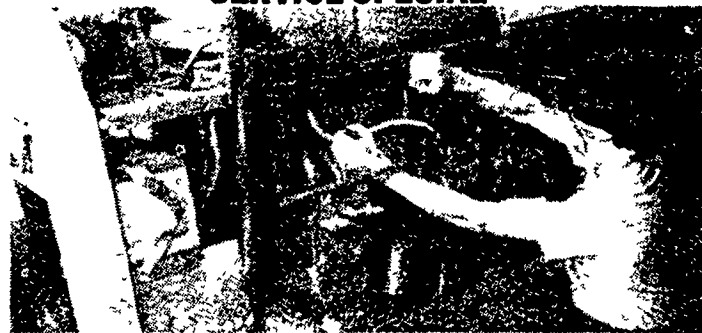
Used equipment specials too! Choice of waiver of finance charges or 13.9% APB financing for 2 years on selected machines.

Hurry! These price rollback savings are good only during December 1981.



Now more than ever, Massey makes sense.

SERVICE SPECIAL



FARM EQUIPMENT DOES NOT BREAKDOWN WHEN YOU ARE NOT USING IT... BUT THAT'S THE BEST TIME TO REPAIR IT!

10% DISCOUNT ON PARTS USED ON MAJOR OVERHAULS OVER \$500 DURING THE MONTH OF JANUARY 1982. SCHEDULE YOURS NOW!

USED HAY - FORAGE & PLANTING

MF 1050 Grinder Mixer	\$4850.00
Fox 2000 Harvester 2 Row and Hay Pick Up	\$1000.00
Hesston #10 Stacker	\$1000.00
Brady 1680 Flail Chopper	\$3750.00
New Idea 315 Picker Sheller	\$2900.00
MF 10 Baler w/thrower	\$1800.00
Farmhand 5 Wheel Rake	\$550.00
MF 12 Baler	\$600.00
MF 31 7' 3 pt. Mower	\$1100.00
AC Flail Chopper	\$475.00
	\$750.00

NEW & DEMO PLOWS & TILLAGE

MF 43 2-14 Plow	\$1060.00
MF 129 3 pt. Chisel Plow	\$1375.00
Amco F17 32 Disc Harrow	\$5200.00
Dunham 8 Tooth Chisel Plow	\$1600.00
MF 730 Disc Harrow 10'	\$4950.00
Yetter 15' Rotary Hoe	\$1850.00
Dunham 14' Cultipacker	\$1350.00
MF 428 4-38 Cultivator	\$1250.00
MF 428 4-38 Rolling Cultivator	\$1550.00
MF 620, 12' Disc Harrow	\$4950.00
Glenco 7 Tooth Soil Saver	\$5600.00



MF Certified Service

TAX TIP:

**PURCHASE YOUR
NEW EQUIPMENT
BEFORE
JANUARY 1, 1982
AND TAKE
ADVANTAGE OF
BIG SAVINGS.**



M.M. WEAVER & SONS, INC.

LEOLA, PA. 17540 PH: 717-656-2321

Located: 4 miles West of New Holland on Route 23, 1 1/2 miles Northeast of Leola on the North Grottdale Road, 1 mile on the right, opposite Grottdale Mennonite Church.

TOTAL MANAGEMENT MAKES THE DIFFERENCE!

The AG-BAG Sealed Storage System works with you as part of the total management program which can cut feed costs...improve nutrition...and increase your production and profits.

☐ I want to know more about the Ag-Bag System

Mail To: **AMERICAN AG-BAG INC.**
50 E. 28th Division Highway
Lititz, Pa. 17543

NAME _____

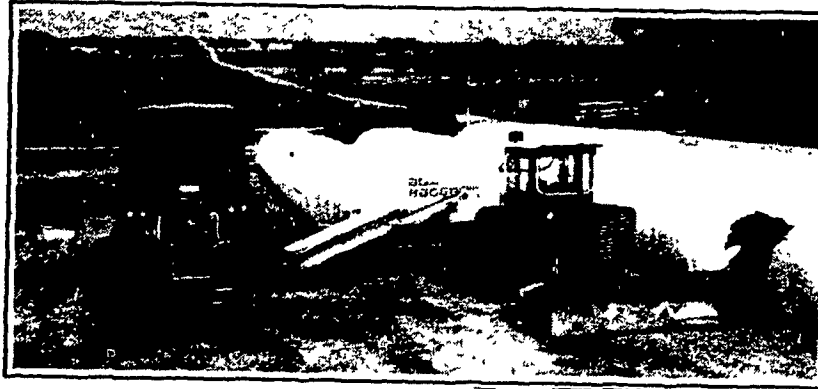
ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____

AG-BAG THE AFFORDABLE SYSTEM



AMERICAN AG-BAG INC. FORAGE SYSTEMS

50 E. 28th Division Highway
Lititz, Pa. 17543 Rt. 322 & 501 in Brickerville
Lancaster County, 717-627-3665

Exclusive Dealer For Pennsylvania, New Jersey, Maryland, Delaware,
Virginia, West Virginia Note: We Need Part Time & Full Time Salesmen For These Areas

AG-BAG INFORMATION MEETING

To Be Held At The Lititz Office
WEDNESDAY, JAN. 20, 1982
at 7:30 P.M.

CUSTOM BAGGING AVAILABLE
CALL COLLECT: 717-627-3665

FEATURES

- ALL HYDRAULIC OPERATION
- SELF POWERED UNITS AVAILABLE
- EASILY TRANSPORTABLE

Leasing & Bank Financing Available

Field Queen	SALES, SERVICE	Hesston
Forage	&	Farm
Harvesters	PARTS	Equipment

NOTICE HORSE FARMERS

We have on stock a semi and liquid manure spreader that does a good job of spreading at a very low cost

530 gal. ***1495**
650 gal. ***1560**

guaranteed 1 yr.
This is an exceptionally easy pulling spreader. Try mine on trial.

2% Cash Discount
Elam M. Stoltzfus
Box 210 RD 1, Amish Rd.
Kinzers, PA 17535

SPERRY NEW HOLLAND

NEW HOLLAND BARGAIN OF THE MONTH

L-35 Skid Loader, rental unit under 400 hrs. full 12 mo. warranty, includes 84" bucket, full cab w/door, 100 hour checkup.

***9900**
M & R EQUIPMENT, INC.
New Park, PA
717-993-2511
717-246-1972

BALDWIN ELECTRIC MOTOR DIVISION, INC.

REPAIR & REWIND - ALL BRANDS
AC & DC MOTORS

Call 717-354-5566

Call 717-354-4651

BALDOR ELECTRIC MOTORS

Warehouse and Factory Service

1/2 hp. thru 10 hp. 1 ph.

1/2 hp. thru 100 hp 3 ph.

FARM DUTY MOTORS IN STOCK

P.O. Box 232, Honey Brook,
PA 19344



Leyland 272 Tractor
w/Loader, Low hrs.
MF 255 Tractor, Low
hrs., like new
JD 3020 Tractor, Late
Model, Nice Shape
Case 1070 Tractor,
Power Shift, Nice
shape
1977 NI 709 Uni System,
1100 actual hours,
air, heater, cab.
Traded for larger
unit.

Plus NI cut/ditchers &
mow/ditchers, tra-
ctors in stock at Good
Prices.

C. & P. FULTZ EQUIPMENT

RD 1 Spring Mills, PA
(814) 422-8807,
Ask for Paul

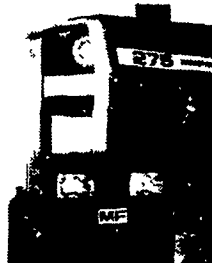
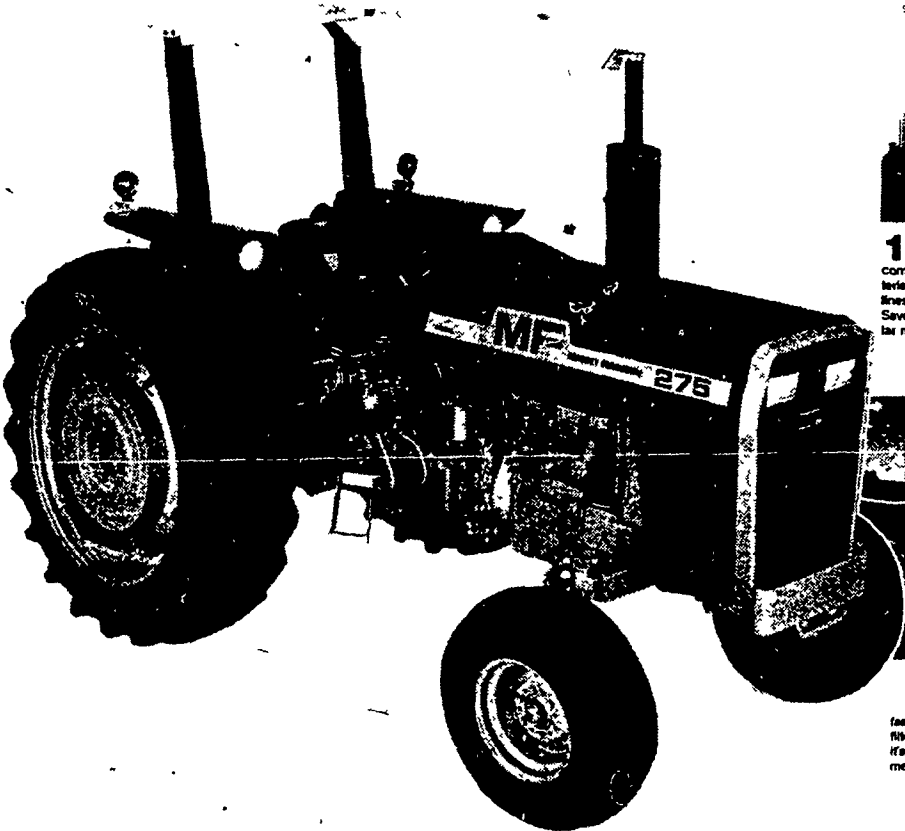


Introducing

THE NEW 200 SERIES TRACTOR

**See On Display During Our
Sales Days And Open House**

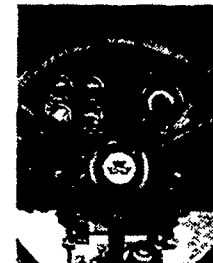
NEW SELLING FEATURES FOR THE 200 SERIES TRACTORS!



1 The new one-piece grille opens in seconds to service components like the air cleaner, batteries, headlights, oil cooler and oil lines—depending on the model. Saves operator time promotes regular maintenance.



2 The steering wheel on these new tractors features a deep-dish design. This raises the rim of the wheel about 2 in. (50.8 mm) and puts it in a more comfortable position. It's really noticeable during those extra long days on the tractor seat.



3 New one-piece non-rusting instrument panel has four gauges which have been designed for improved reliability and long trouble-free life. Gauges have stainless steel cases—no more rusting.



4 New spin-on filter makes servicing the auxiliary hydraulic system faster and easier. Just spin the old filter off spin the new one on—it's that easy. Saves time and messy oil spills.



5 Gear shift levers on larger models have been moved forward making a larger open area in front of the seat. This makes it much easier to mount or dismount.



6 New push-to-couple hydraulic couplers save your customers time by making hook-ups easier. Operator just plugs the hose into the conveniently placed outlet and he's ready to go.

M.M. WEAVER

LEOLA, PA 17540
PHONE: 717-646-2321



TRACTORS

White 2-85 w/cab
IH 400 D
IH 340, Fast Hitch
MF 1080
IH Cub w/Blade & Plow,
2 yrs. old
JD MT

COMBINES

JD 45 w/2 heads
(3) JD 444 Corn Heads
1980 JD 6620 Side Hill
w/215 Flexhead & 643
Corn Head

HARVESTERS

Gehl 600 w/heads
NH 717 Harvester
Hesston 720 w/heads
NH 770 w/heads

HAY TOOLS

JD 24T Baler
NH 269 Baler
NH 275 Baler

TILLAGE

JD 1710 Mulch Tiller 11' & 13'
JD 2600 5B Spring Reset Plow
JD 345 5 Btm. Plow
IH 700 5x18 Plow
Brillion 12' Roller Harrow
Oliver 12 1/2' Wheel Harrow
Ford 10' Disc

MISCELLANEOUS

JD 46 Loader
JD 1240 Planter
Oliver #5 Picker
Tye No-Till Drill
IHC 2000 Loader
JD FBB 15x8 Hoe Drill

TOBIAS EQUIPMENT CO., INC.

Halifax, PA 17032
Phone: 717-362-3132

FARM EQUIPMENT

FOR SALE

MF 1130 w/duals
MF 1100
MF 150
Case 1370
MF 180 diesel
AC 190XT
Farmall 966
JD 4020
JD 4020 Power Shift
MF 321 corn head

L & M
BURKHOLDER

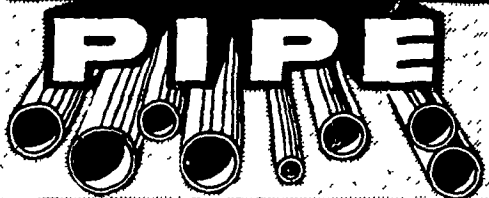
Ephrata, PA.
717-859-2960
717-859-2712

FARM EQUIPMENT

FARM EQUIPMENT

H. SCHWARTZ & SONS, INC.

NOW SERVING THE STATE
OF DELAWARE DIRECTLY
FROM WILMINGTON!



NEW, USED and RECONDITIONED PIPE
STANDARD - EXTRA & DOUBLE EXTRA HEAVY - ALL
SCHEDULES - ALL TYPES FABRICATION - THREADING
CUTTING - WELDING

121 SO. MARKET ST. - WILMINGTON 19801
302-656-0276 or 215-DE1-4240

TORQUE AMPLIFIER, CLUTCH &
TRANSMISSION PARTS &
SERVICE

Rebuilt TA assemblies in stock for IH tractors. New and Rebuilt: Water Pumps, Dynalife clutches, pressure plates, and PTO drive shafts (are spline fitted into pressure plate. IN STOCK for tractors A B C through 1586 also for most models of IH combines

Complete TA assemblies for 706-1586 are priced at \$550 and come with a Dana Co. Heavy Duty Sprag instead of the usual IH sprag. The Dana sprag is guaranteed for 2 yrs. against failure. Sprag kits (includes sprag gear, Dana sprag & piston carrier) and all items for rebuilding your own TA assembly are available to qualified persons. Ramps and carriers for older style TA's (as in SMTA-340-560) are priced at \$150 each and carry a 90 day guarantee. We have parts needed for TA repair in stock at prices which will save you money. Shop is available for complete TA installation or split the tractor yourself and send the center housing to us. Complete rebuilt center housings available on exchange basis or for installation in tractors which did not have TA from factory.

Selling parts from the following:
Please have part no. when calling if possible.

Quality Reconditioned Engine Parts

We have blocks, cranks, and heads in stock from tractors we have salvaged which have been reconditioned by the most precision oriented machine shop in the county. We do not sell weld-repaired parts. If you want new quality parts at a used parts price, we can help you. Parts are sold w/a 90 day replacement warranty

Tractors - IH 1066, 806, 706G, 616D, 450D, 460, 340, 300, M, SM, W-6 & A JD 520, 2020D, 60, A, B Oliver 1555, G-wrout, year round cab
Combines - IH 203 JD 30 & 55, MF 35, Uni- 701, 702 & 705 tractors, also 710 combines & 727 & 737 huskers MF 510 G Quick Tach
Corn Heads - IH 429 WN, 430, 228, 227, 328 WN

Parts shipped direct thru UPS & Parcel Post at
No Extra Charge To Retail Customers

J. EDWARD LEAMAN
RD #1, Box 474 Willow St., PA 17584
717-464-2874

ALLIS-CHALMERS



Year-End

TRACTOR
Sale

• Now thru Dec. 30th
Cash Sales Only
At These Special Prices...

AC 5050 Tractor (51 HP) w/16.9x28 Tires .. \$10,300
AC 5050 Tractor (51 HP) w/16.9x28 Tires .. \$10,300
AC 6060 Tractor (63 HP) w/18.4x28 Tires
& Wgts. \$13,495
AC 7010 PS Tractor, w/Cab, Air & Weights. . \$23,900
AC 7020 PS Tractor w/Cab, Air & Weights. . \$25,995
AC 7060 PS Tractor w/Cab, Air & Weights. . \$33,900

**SHARTLESVILLE
FARM SERVICE**

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

FARM EQUIPMENT

For Sale - IH 2544 diesel
reconditioned with loader,
3 pt hitch, PTO, new M5
Woods mower, \$7500.
215-327-4057 after /
p m

FARM EQUIPMENT

Wanted to Buy - 400
gallon stainless steel
spray tank. 717-697-2588

FARM EQUIPMENT

Two sets of heavy tractor
chains, exc. cond., size
16-38. John Strawbridge.
301-996-2022.

FARM EQUIPMENT

For Sale - Brock 8 ton
capacity round feed bin
with 4" straight auger 1/4
HP 220 SP motor. Please
call 302-492-3454 after 7
P.M.

FORAGE WAGON
WOOD PARTS

Wood Mill Corp. supplies wood repair parts for all makes of forage wagons. We have successfully completed many partial or complete wood parts repairs this year for dealers and farmers who own:

New Holland
Kasten
Arts Way
Rex

Gehl
Lamco
IH

Deere
Dion
Badger

You can buy completely made up and painted sides, floors and tail pieces or whole sets as needed. Install yourself or have us do it. All parts meet or exceed factory specifications. All work is done by experienced forage wagon builders who regularly supply equipment to New Holland, IH, Gehl, Arts Way, Kasten. Call or bring your forage wagons in for an estimate.

WOOD MILL CORP.

RD 1 Farmersville Rd, New Holland, PA 17557
717-354-4919

Used Combines & Cornheads

AC KKS Gleaner w/10' header & 330
cornhead

AC FKS-2 Gleaner Combine, Diesel, 13'
Grain Head, Hydrostatic Drive

NI 702 Tr. w/717 combine w/713 S-13'
header

IH 315 Combine w/13' grain head & 2 row
cornhead

AC C Gleaner w/440 cornhead

(1) MH 82 SP Combine 13' header

2 - MF QT 24 2 row cornhead

NI 728 4-Row Narrow Cornhead

Used Manure Spreaders

NI 244 Manure Spreader w/hyd. end gate
(1 yr. old)

NI 224 Manure Spreader (350 bu.)

NH 676 Manure Spreader (275 bu.)

NI 214 Manure Spreader w/3 beater &
hyd. end gate

NI 214 Manure Spreader w/single beater &
hyd. end gate

NI 214 Manure Spreader w/flail beater

207 Hawkbilt Tank Spreader

Used Tractors

AC 7000 w/cab & Air

AC 5050 w/220 hrs.

AC D15 Tractor

IH 450 Tractor

New Corn Pickers

324/327 2-Row Wide

323 Single Row

Used Corn Pickers

1 - 324/327 2 row wide picker

1 - 729 Uni Sheller

1 - Uni Husker w/702 tractor, 727 husker
& 723 2 row head

1 - 726 Uni Husker

Misc. Used Equipment

Hesston 310 self propelled haybine

NI 279 Cutditcher

JD 38 Harvester w/2 row wide & pickup

JD FB17 Grain Drill single disk

Brillion 14' transport harrow

NH Super 717 Harvester w/2 row
cornhead

767 Uni-Forage Harvester

Int. 2000 Front End Loader w/fork

Int. 1150 Grinder Mixer

New Tractors

In Stock - Priced To Sell!

AC 5030 w/turf tires, 26 h.p.

AC 5050 51 h.p.

AC 6060 63 h.p.

AC 7010 w/cab & air & power shift

AC 7010 w/no cab & 18.4-38 tires

AC 7060 w/cab & air & power shift

NI 1500 Gal. Vacuum Tank Spreader \$5,595.00	AC 2500 15' Fold Disc Harrow \$6,395
FFP 9 9-Tooth Glenco Soil Saver \$6,490.00	AC 2500 12' Non-Fold Disc Harrow \$4,350
AC 1200 Field Cultivator 16 1/2 ft. Hyd. Fold \$2,650.00	AC 2313 13'2" Disc Harrow \$3995
Little Giant Rollaway Elevator \$650.00	8C 25HP Hydramac Skid Steer Loader with 2 Buckets-Rental Unit \$5,995
Model 2000 Series Semi-Mounted 5 Btm. AC Plow \$4,095.00	48' Hub Elevator w/Hopper, Grain Discharge Head & Swivel Spout \$3,095 Less Motor
AC Model 2600 Fold Disk 16'8" \$7,195.00	
AC 333 No Till Special Corn Planter w/Air Unit & Gran. Fert. Row Marker & Monitor Waiver Until 3/1/82 \$7,895.00	Artsway Forage Box with Roof 3 Beater, 10 Ton Gear with 11Lx15 Tires \$5,195

ITCO

Dealer for ITCO Corp
• Over 9,000 items
At Discount Prices

**AVCO
NEWIDEA**

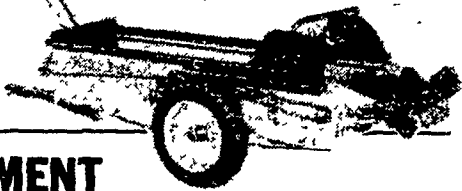
**SHARTLESVILLE
FARM SERVICE**

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

ALLIS-CHALMERS

**SPERRY
NEW HOLLAND**

206 GROUND DRIVE SPREADERS IN STOCK



USED EQUIPMENT

TRACTORS

Case 930
Case 1070 D
Case 1370 C-A-H
Ford 4000 G
IH 660 D
IH 1066 Hydro
MF 2135 Turt
AC 7040 C-A-H
AC 7080 C-A-H

LOADERS

Case 380
1530 Unloader
Unloader Broom
1830 Unloader
1845D Unloader

UNI-SYSTEM

701 Power Unit
702G w/combine
767 harvester
762 row crop
760 hay pickup
730 4RW Head

NEW IDEA

Manure Spreaders
212, 213, 214,
224, 218
325/314 picker sheller
323 one row picker
325/327 Picker
329 Super Sheller

FORAGE

Gehl 600 harvester
J.D. 65 blower
N.H. 1880 SP

MISCELLANEOUS

Ford 101 plow
Hesston PT 10
JD 12' Disc Harrow
NH Lime Drill
Lilliston 6' Mower

A.L. HERR & BRO.

PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521



AVCO NEW IDEA

GEHL
Get into your system

BUSH-HOG

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May your festive
adornments reflect
your inner joy as you
celebrate the season
with loved ones

WENTZ FARMSUPPLY
Palm, Pa
215-679 7164

FARM EQUIPMENT



FARM EQUIPMENT

4 ton Stoltzfus fertilizer
spreader, pull-type
w/booms 215-286-9510

Four row John Deere
7000 max emerge
planter. No-till. 302-366-
0784. Mornings.

For Sale - Good used
bedding chopper, one
year old. Also clean straw
for sale Lancaster Co
717-464-4945

COME TO WHERE THE MIXERS ARE IN STOCK

Make every bite right.

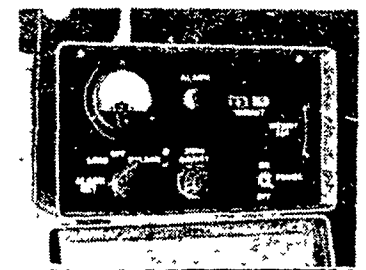
Combine
Ensilmixer®
feed mixer,
with scales,
and a
Jamesway
TMR system.



You can increase production. Reduce
feed costs. And improve labor
efficiency. All, when you use an
Ensilmixer feed mixer, with scales, by
Oswalt® to round out your Jamesway
Total Mixed Ration (TMR) feeding
system (including silage distributor-
unloaders, conveyors and cattle
feeders). Or, use it with any mechanized
feeding system. Whether you prefer
the stationary, trailer-mounted or
truck-mounted model, it's a real profit-
building management tool.

Unique mixing pattern blends feed
thoroughly. Three augers move feed
from front to
back and side
to side. Reverse
flighting at both
ends lets feed
fall freely for
recirculation or
discharge by
the bottom auger. Uniformly mixes
even partial loads.

Precisely weighs ingredients.
Accurate weighing means consistent,
balanced rations; eliminates waste.
Lets you calculate the amount of feed
needed and mix that much. Weigh bar
system is standard, electronic scales
optional.



That's why the Ensilmixer feed mixer,
with scales, and TMR feeding system
are right for you as well as your cattle.
And, can help make farming just a little
bit better. Ask your Jamesway Power
Choring dealer.

We Have Models In Stock - Available At:

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feed mixer
from JAMESWAY®

The performance leader ... making the good life better

M & R EQUIPMENT, INC.

NEW PARK, PA

Ph: 717-993-2511 - 717-246-1972
(After 6 P.M. Call: 301-452-8693)



WAIVER AVAILABLE

- * Waiver of Finance on New & Used Tractors
Until 3-1-82 + Cash Rebates Just Announced
- * Waiver of Finance on All New and Used Hay and
Forage Equipment 'Till 5-1-82
- * Waiver of Finance on All New and Used Loaders,
Spreaders, Grinder-Mixers 'Till 4-1-82
- * Waiver of Finance on All New and Used Planters 'Till 4-1-82
- * WAIVER OF FINANCE ON NEW COMBINES
'TILL 9-1-82 OR 13.9% FINANCING. CALL FOR DETAILS



1440 & 1420 Combines in Stock

In Stock and Ready to Go
Used 1460 combine, 900 hrs., excellent cond.
Waiver of finance available until 9-1-82!!
New IH wide front ends for Farmall 66, 26, 56 Series

AN UNBEATABLE DEAL
NEW IH 720 AUTOMATIC RESET PLOW
w/COLTERS, 5 BTM. 20"
Sale Price \$6700

IH SHIPPER'S TWINE
"Finest Twine You Can Buy !!"
Was \$28.50
NOW \$24.85

New Tractors in Stock at Reduced Prices

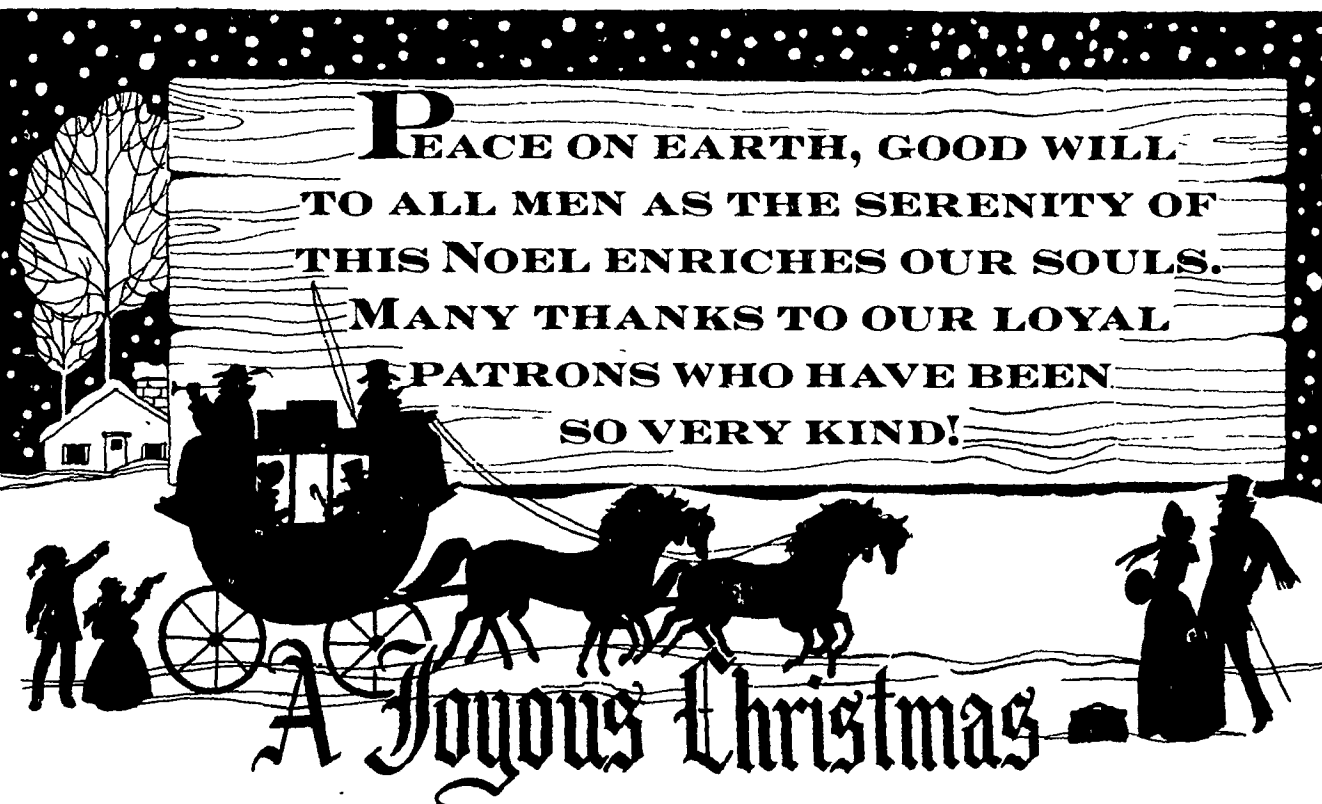
3388 MUST SELL. 784 row crop
Call for price 584 row crop
98 SOLD 98 H84 SOLD 98
686 F SOLD 98

USED EQUIPMENT

F-560 Diesel - recent overhaul
JD 2510 tractor diesel, new short block, exc.
AC D17 gas, good price.
JD 640 Hay Rake, good shape.

NH 273 baler like new fair price.
IH 2400A Diesel w/6 way heavy blade great for
snow.
Used IH & Bobcat Skid Loaders

PEACE ON EARTH, GOOD WILL
TO ALL MEN AS THE SERENITY OF
THIS NOEL ENRICHES OUR SOULS.
MANY THANKS TO OUR LOYAL
PATRONS WHO HAVE BEEN
SO VERY KIND!



A Joyous Christmas

ABC GROFF INC.

Since 1890
110 S. Railroad Ave.
New Holland, PA 17557

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WINTER

SHOP SPECIAL

Winter Tractor Maintenance
**10% DISCOUNT ON LABOR
ON PRE-WINTER REPAIRS**

WINTER BALER CHECK UP OFFER
We will go over your baler from top to
bottom to help insure a trouble-free
spring season. On top of the reduced
down time, you will receive a 10%
discount if you sign up now...So don't
delay.

TRACTOR PAINT SPECIAL
Let us make your tractor look like a new
one at a 15% Savings.

Call for an estimate
Program effective
11/21/81 thru 12/15/81
AG-Industrial Equip. Co.
Rising Sun, MD:
301-658-5568 301-398-6132
215-869-3542

(This Ad **MUST** Be Presented To
Get Above Discounts)

CLIP THIS AD

FARM EQUIPMENT

USED EQUIPMENT

TRACTORS:

• Waiver of Finance on Used Tractors To March 1, 1982

IH 1566 D., Cab & Air, 30.5x32 tires, new TA, Real Nice
JD 4520, 20.8x38 Radials, No Cab
IH 560 Gas, 400 Gas, 300 Gas
IH 706 Gas, Wide Front End
IH Super MTA
IH 350 High Utility
IH 350 Farmall
IH 544 Gas w/2000 Loader
MF 165 Diesel, \$3900
JD 1010 Gas w/Tricycle Front End, \$1700
Oliver 1800 Gas, Wide Front End, over & under \$4500
Farmall 300 3 ph, real nice

TILLAGE:

IH 760 14' Offset Disc
IH 475 13'5" Disc Harrow
Bush Hog 18' Folding Disc
Pittsburg 12' Disc
Oliver 251 9' Disc, Real Nice
IH 370, 350, 37, 35 In Various Sizes
JD 18' Trailing Spring Tooth Harrow
JD 12' 3-Rank Chisel
Oliver 4-Bot. Semi-Mtd. Plow

PLANTERS:

Int. 663 6-Row Cultivator & 6 Row Cyclos, Field Ready!
JD FBB 17x7 Comb. Single Disc, Good Shape!
JD 494-A, DD, 4-Row Planter
IH No. 10 13x7 Plain Drill
IH No. 10 16x7 Single Disc, Comb., Hyd. Lift
IH No. 10 16x7 Single Disc, Comb.
Oliver 24x6 Combination Drill
Oliver 17x7 Combination Drill
MF 13x7 Comb. Drill

COMBINES:

915 Combine, Low Hours, Like New
(1) 844 Cornhead
810-15' Floating Cutting Bar
• Waiver of Finance to 9/1/82

IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform

IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Straw Chopper for Gleaner M

HAY & FORAGE EQUIPMENT:
#8 Flail Chopper, Like New

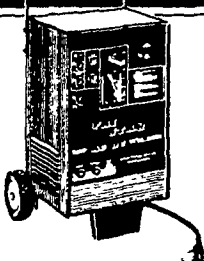
JD 115 Forage Wagon
Gehl 800 Recutter Blower
Model BN98 Badger Blower
Gehl FBB 88 Blower
38 JD Chopper
550 IH Chopper
36 NH Flail Chopper
33 NH Flail Chopper
(2) 990 Int. Mower Cond., 9 ft.

1014 Hesston Mower Cond.
420T Hesston S.P.
NH 479 Haybine

NH 276 Baler with Thrower, Real Nice!
MF DEO-20 3 pt. Hitch, 5 Bar Rake



ERB & HENRY EQUIP., INC.
New Berlinville, PA 19545
Ph: (215) 367-2169
Daily 7 to 5
Sat. 7 to 1

TRI STAR™
230 AMP AC
140 AMP DC WELDER

110-114-001 TRISTART™ AC/DC Welder (shown with optional wheel kit)
• Up to 100% Duty Cycle
• Quick Twin Grip Amperage Control
• Operates all types of AC and DC Electrodes, including Low Hydrogen
• Optional Wheel Kit Available
• Helmet, Cables and Accessories Included



FARMERSVILLE EQUIPMENT INC.

Ph. 717-354-4271

ALL EQUIPMENT on lot
DISCOUNTED - WE MUST REDUCE
INVENTORY

Check deals below on selected new equipment:

List Price Sale Price

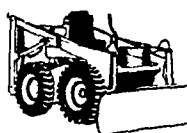
1086, 130 hp. radial tires, differential lock weights, cab and air \$42,000 \$30,000
982, 106 hp. 20.8x38 tires, differential lock weights, cab and air \$36,900 \$28,000
684 row crop, 62 h.p., 18.4x30 tires, 16.1 GPM pump, 1st rear weights \$19,311 \$15,500

Other tractors in stock and discounted
3288, 284, 584 row crop, 784 row crop w/TA



BIGGS INC.

34 Buckley Ave.
Rising Sun, MD 21911
301-658-5531
Call Al or Wallace Biggs



SCHAEFFERSTOWN EQUIPMENT

SCHAEFFERSTOWN, PA

½ Mile N. of Schaefferstown on Rt. 419
Phone 717-949-6529

WE BUY USED
EQUIPMENTWE ARE A DEALER
FOR CUSTOM
TRAILERSALL MACHINES
REPAIRED AS
NEEDED —
CLEANED &
PAINTED.

TRAILERS

1979 CMI Folding Hydr. Gooseneck 30 ton \$29,500
9 Ton Tag-Along \$1400
9 Ton Tag-Along \$2000
9 Ton Tag-Along new heavy duty \$5100
12 Ton Tag-Along \$2000
12 Ton Tag-Along \$2750
15 Ton Gooseneck, S.A. \$3500
25 Ton Lacross T/A \$5500
Approx. 1½ Ton Tandem Axle Tilt Trailer w/winch \$1200
2 Ton Tilt Trailer \$500
1 Ton Roller Trailer \$800
New Trailers - All sizes and prices Call

TRUCKS

1965 Int. Dump S.A. \$2500
1965 Int. Dump S.A. \$3200
1956 White 18' bed S.A. \$1800
1967 GMC ¾ ton w/utility box \$800
1970 Chevy Dump S.A. \$3000
1975 Plymouth Fury 6 cyl. \$2000
1973 Buick Riviera \$1500
1969 Ford sgl. axle dump, good \$6900
1965 Ford ¾ Ton \$450
Int. Tandem Axle Dump \$4250
Dodge Van 14' \$4,500

AIR COMPRESSORS

LeRoy 105 \$3500
Jaeger 105 \$2000
Chicago Pneumatic 125, O.H. \$3000

ROLLERS

Fordlane Paver, ex. cond. \$3100
3 Ton Tandem \$2000
1 Ton Roller \$2000
1 to 3 ton Vibra-Pac \$3400
1 to 3 ton Vibra-Pac \$2800
3 to 5 ton Huber Tandem \$5000

MISCELLANEOUS

'71 Ski Whiz 440 VG \$450
'73 Ski Whiz 440 VG \$525
AC Motorized Pan #260 \$3,000
MF 180 Tractor \$6850
Ford Corn Planter 2 Row 3 pt. \$450
16' Dump Box \$1250
16' Dump Box good \$2450
5 ft. Rotary Cutter new \$495
Pavement Breaker 90 lb. \$350
Assorted Loader Buckets
6 ft. Angle Scraper Blade 3 pt. \$175
Myers Snow Plows
Electric/Hydraulic/Angle \$1000
17' Dico Block Unloader, Complete \$2500
Davis Trencher 300+ \$3000
Ditch Witch Model R65 Loaded \$9500

BACKHOE LOADERS

Case 580B 1975 w/cab \$15,500
Case 580B \$11,500
JD 400, excell. cond., overhauled \$9,000

CRAWLER DOZERS

Cat D9-19A Series w/Ripper \$21,500
Cat D8 46A Series, real clean \$42,000
Cat D4 D 40A Good \$11,500
Cat D8 2U Cable \$8500
Cat D6, hyd. \$6500
Letourneau pull pan for D8 \$1600
JD 350 6-way angle Blade New Undercarriage \$9200
JD 1010 Dsl. w/winch \$5000

CRAWLER LOADERS

JD 450 w/93 hoe \$14,500
JD 450 \$9500
JD 450 w/ROPS, good \$12,000
JD 440 Dsl. \$6500
Cat 955H 60A \$12,500
Cat 933G, good \$9,500
Cat 933 \$6500
IHC 4340 w/ripper \$7200
IH 340 Dsl. 4 & 1 Bucket w/Ripper \$7000
IHC TD9 \$8200
AC HD5 \$3450
AC HD6G \$4000
runs and operates
Case 350 \$7500
Case 450, good \$9500
Case 750, good \$10,000

SKID STEER LOADERS

JD 24 \$4800

GRADERS

Huber Wargo Dsl. w/Cab \$5000
Galion 118 Dsl. w/cab \$6500

WHEEL LOADERS

Hough 70, 4x4 3 to 4 yd. good \$14,500
Hough 30, 1 yd good \$5200
Nelson 4x4 \$3750

A Prayer for Christmas

May the spirit of Christmas inspire mankind to persevere in its quest for the blessing of Peace on Earth

SHOW-EASE STALL CO.
573 Willow Rd., Lanc., Pa.
Yours For Better Dairying

Petter

Let Us Know Your Service Problems
HOOVER DIESEL SERVICE
PH: 717-656-6133
2998 West Newport Rd.
Ronks, PA 17572

TRACTORS

IH 2500 Industrial Tractor w/Loader
IH 706
IH 674 D
IH 656
IH 606 D
IH 574 D
IH 434
IH 400
IH 350
IH 330
IH 300
IH Super MTA
IH Super C
David Brown 995D
Case 800 D
JD 820 D
MF 165 D
MM 55 for Gehl #M6
Bobcat M600
JD 70

FORAGE WAGONS

Badger 1410
Gehl BU 85 AC
NH #8
NH #6
VanDale 185 Mixer Wagon w/Scales

MOWER CONDITIONERS

IH #225 SP
IH 990
NH 479
Hesston 1014
OMC 216
NI 270
IH 15 Rake
IH 35 Rake
JD Hay Tedder
Farmhand Windrow Turner
IH 100 Sickle Bar
IH 1000 Sickle Bar
Ford 14-9B Sickle Bar
IH 28 Rotary Mower

TILLAGE

IH 710 4x16 Plow
IH 710 5x18 Plow
IH 735 5x18 Plow
IH 700 4x16 Plow
IH 710 3x16 Plow
Kasco Chisel Plow
Ford 3x16 Plow
IH 311 3x14 Plow
IH 45 Vibra Tine Cultivator
MF 4 Row Cultivator

NEW IDEA UNI

705 w/Super Chopper and 3RN C.H. and Hay Pickup
702 w/Combine
729 A Shelter
737 Husking Bed
726 Husking Bed
NI 744N Corn Head
770 Feeder House
741 Feeder House
724 3RW Corn Head
NI 324 Corn Picker
NI 325 Corn Picker
Oliver #5 Corn Picker
IH 234 Corn Picker
IH 205 Combine
IH 303 Combine
IH 715 Combine

PLANTERS

IH 400 6 Row no-till
IH 400 4 Row no-till
JD 1240 Row
IH 449A 4 Row
JD 290 2 Row
IH 56 4 Row
IH 440 Baler
IH 46 Baler
NH 269 Baler
NH 69 Baler

FORAGE HARVESTERS

IH 830 3R Head and Pickup
IH 650 2R Head and Pickup
Fox 3000 2R Head and Pickup
IH #16 1R Head and Pickup

MANURE SPREADERS

NI 213
NI 214
NH 202 Ground Drive
NH 676
IH 580
Better-Bilt 10' Vertical Pump
Badger 102 8' Vertical Pump
IH 2000 Loader
IH 2001 Loader
Jamesway 60' Feeder
Excellent

FLAIL CHOPPERS

Brady 722
Brady 608

**20%
DISCOUNT
ON
TOYS**

Greetings of the Season

2% Cash And Carry Discount on All Parts

The Place to Buy New & Used Equipment
CHAMBERSBURG FARM SERVICE, INC.
975 S. Main St., Chambersburg, PA
Phone: 717-264-3533

Merry Christmas

FARM EQUIPMENT

For Sale - 11 1/2' Glencoe field cultivator. Used one season, JD #8 forage harvester w/new knives, good condition. Set of dual wheels 16x38 w/15.5x38 tires on. JD KBA disc harrow w/good blades. JD 10' cultipacker. 717-665-7434.

FARM EQUIPMENT

Wanted - Farmall H, short block, good shape or rebuilt. Gerald F. Leahy, Whitney Point, N.Y. 13862
Irrigation unit on trailer, IH 282 diesel with Gorman Rupp 55A pump, 1100 g.p.m., with Murphy safety switches. Shippenburg, Pa. 717-532-6141



USED EQUIPMENT

Tractors

Farmall A
Farmall C
Farmall M
IH 240
IH I-656 Gas Hydro
IH F986 D
IH F504
IH F560 Gas
IH F1256
IH F300 Gas
JD Cyclone B
MH Pony Outfit with Hydraulics
Ford 8N
Oliver 88D
Bobcat 520 Skid Loader

Pickers

IH 2 ME
IH 2 MHD
NI 2-Row Mounted
NI No. 10 Cornpicker

Planters & Drills

IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt. Cultivator
IH 251, 2 Row Mtd.
IH 400 Cyclo 4 Row
JD 494 Planter
JD 13x7 Drill
JD FB 177B Drill, 17x7
JD 1250 Planter
MF 468 4-R Planter
Oliver 17x7 Drill

Plows

IH 550 5-Bottom
IH 531 3F
IH 700 6F Auto. Reset
IH No. 8 Trailing
3F Trailing Plow
Fast Hitch 2 way
MF 3F 16" Mounted
MF 5F 14" Mounted
JD 3F 16" Mounted
JD 4F 14"
Oliver Chisel Plow
JD F125 3F
Ford 5F 18"

Forage Equipment

IH 16 Harvester w/2 Heads
IH 550 Harvester w/2 Heads
IH 650 Forage Harvester
IH 50 w/PTO Drive
IH 2 Row Wide Row Crop Units
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH 5 Flail Chopper
IH Hay Pickup 550/650
AC-780 Harvester
Fox 546 Harvester
NH 717
IH 42 Blower
IH 56 Blower
NH 25 Blower
Kools Blower

Tillage

IH 122 Mtd. Disk Harrow
Lely Power Harrow
MF 3 pt. Disk Harrow
McConnel 20' Spring Tooth Harrow with Transport
JD 10 Ft. Roller Harrow

Combines & Cornheads

IH 127
IH 810 15' Grain Head
IH 227 Corn Head
IH 429 Corn Head on 403
IH 844 Corn Head

Hay Machines

NI 402 Rake
IH 430 Baler
IH 46 Baler w/Thrower
IH 37 w/thrower
IH 420 Baler w/Thrower
IH 10 Bale Thrower
IH 27V Mower
IH 27 Mower
IH 100 Mower
IH 115 Mower
IH 990 9 Ft. Mower
Conditioner
IH 1190 Mower
Conditioner 9 Ft.
M.C. Rotary Scythe
Kubota 60" Mower
JD 660 Rake
JD 2 pt. Mower
JD Hay Tedder
Myers Hay Crusher
NI Mower
NH 67 Baler
JD 214 Baler

Miscellaneous

NI EGT 100 electric garden tractor
IH 20 Loader For Super C
IH 85 riding mower
IH 147 Cadet w/Mower
Sears 6 HP riding mower
Snow Blowers For Cadets
IH 530 Spreader
NI Spreader
MF 205 Spreader
Waldron Dozer Blade w/IH or JD Mountings
JD Post Hole Digger
Sunmaster B90 Mower
Woods Cadet 60 Mower
Woods RB7 Blade
Woods M5 Rotary Cutter
Walsh 300 Gal. Sprayer
IH 40 Spreader
IH 580 Spreader
IH 550 Spreader
Badger 205 Spreader
Starline 950 Spreader
JD Tank Spreader

This Week's Special...

DEMONSTRATED WALDRON BLADE

Front Mounted for 100+ HP JD or IH Tractor...

\$2,250

SWOPE & BASHORE, INC.

RD 1, Myerstown, Pa.
Located 1 Mile S. of Int. 78 & 6 Miles N. of Myerstown on Rt. 645 in Frystown
PHONE: 717-933-4138
Area Codes 215 & 717
Call Toll Free 1-800-692-7467

USED TRACTORS

JD 4430 w/Cab
JD 2840
JD 2640 w/Loader
MF 135
JD 1520 w/Loader
Ferguson 30 w/
Snow Blade
IH 300 w/Loader
Ford 4000
Ford 3000D

USED EQUIPMENT

JD 6620 Side Hill Combine w/6 Row Corn Head
Massey Harris 82 SP Combine
(2) New Idea 10-Ton Spreaders
JD 1240 Corn Planter
White 4-Row Corn Planter



SHOTZBERGER'S EQUIPMENT

Elm, Pa.
Phone: 717-665-2141

FARNSWORTH FARM SUPPLY INC.

103 Cemetery St.
Hughesville, PA 17737
717-584-2106

Annual End of Year Open House Special

Dec. 30, 31 only
Door prizes & refreshments

15% Off All White & NH Parts In Stock.

Free pick-up & delivery on all major repair jobs within 25 miles for the month of January.

Fertilizer:

11-22-22 fertilizer \$230/ton off railroad car.
10-20-20 fertilizer \$200 F.O.B. Hughesville
10-10-10 fertilizer \$150 F.O.B. Hughesville
5-10-10 fertilizer \$125 F.O.B. Hughesville
46% Smith Douglas Urea \$225 off railroad car

Miscellaneous:

9000' Clover baler twine \$19.60
9000' NH baler twine \$22.25
10,000' NH baler twine \$22.50
AM-FM tractor radios \$125
3 1/2"x8 hydraulic cylinders \$50
500 P.S.I. White pressure washer \$325
5 HP White snowblower \$500
10 cubic feet White wagon \$95

Chemicals:

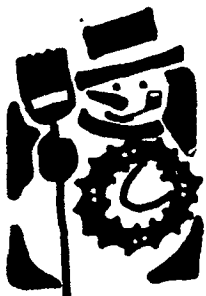
Attrex 4L Ciba-Geigy \$9.25/gallon
Attrex 80W \$1.80/lb.
Bladex 4L \$14.75/gallon
Bladex 80W \$2.75/lb.
Princep 4L \$16/gallon
Banvel \$39/gallon
Bicep \$17.50/gallon
Lasso \$16.50/gallon
Paraquat \$37/gallon
Roundup \$68/gallon
Furdon 78%lb.
Isotox \$5.60/lb.

Feed:

WL 219-311-318 alfalfa per 50 lb. \$119.50
Iroquois alfalfa per bushel \$142.25
Faranac alfalfa per bushel \$121.25
Arlington Red Clover per bushel \$101
Select Climax Timothy per bushel \$33.75
Timothy per bushel \$25

New Machinery:

White 549 18" 5 bottom FAR plow \$6,250
White 466 10' chisel plow \$2,200
White 281 10' offset disc \$6,500
White 256 12' disc \$3,000
NH 513 manure spreader \$2,800
NH 679 manure spreader \$4,500
NH 363 tank spreader \$3,000
NH 367 tank spreader \$4,000
NH 358 grinder mixer \$6,600
McConnell 16' transport harrow \$1,800



Holiday Wishes

INVENTORY REDUCTION SALE

Thru December 31

10% to 20% SALE
on everything in stock

HYDRAULIC SUPPLIES

Pumps • Motors • Valves • Cylinders
• Hoses • Fittings • Tanks • Log Splitter Components

AIR SUPPLIES

Air Compressors • Motors • Valves
Cylinders • Tools • Hoses • Tanks

MISCELLANEOUS

Belts • Pulleys • Sprockets • Roller Chain • Storage Batteries • Oil • Pipe • Fittings • Flex Couplers • etc.

SALES - SERVICE - INSTALLATION

BEILER HYDRA-MATICS

Box 587, RD 3, New Holland, PA

717-656-7273

Welding & Machine Shop

UPS Service

Tractors

AC 210 JD 4010 IH 300
AC 220 JD 2510 IH 350
AC 7030 JD 2010 IH 450
AC 7050 JD A IH 340
AC 170 JD B
AC 180
AC 190
AC 200
AC WD's & WD 45's

Used Equip.

Fox SP chopper w/2 or 3 row Head
IH PR1 Corn Picker
NH 845 Round Baler
Farmhand Tub Grinder Model 880

Combines

AC C combines
AC F combine
AC L combine
AC E combine

GRUMELLI FARM SERVICE



Quarryville
Phone 717-786-7318

After Christmas Specials?

Hen Says...

"WE HAVE THEM!"



See "Hen" Now At

ERB & HENRY EQUIP. INC.

New Berlinville, PA 1 Mile N. of Boyertown
Phone (215) 367-2169



Nothing runs like a Deere

USED MACHINERY

TRACTORS:

MF 180D, WFE,
New Rubber \$7900
Farmall 460 gas, clean... \$3985
Oliver 77 \$900
Sato Beaver 15 hp diesel
w/54" mower, 1 yr.
old \$4200
Special! \$3800
AC 185 diesel, w/cab,
1400 hrs. \$14,500
JD 720 Dsl. \$3900
JD 630, tricycle \$3200
JD 60 w/3 pt. hitch \$1800
JD 4000 Dsl. WFE
w/cab. \$12,500
JD 4020 Dsl. WFE \$9750
Coming In...
JD 4520 Power Shift

HAYING:

JD 16A chopper \$1800
NI 290 mower-conditioner \$1800
IH 1190
mower-conditioner... \$4200
IH 440 baler w/thrower .. \$2800

FORAGE:

Fox SPF 2RN 6 1/2' Pickup. \$6900
Fox 2RN Snapper Head .. \$3500
IH 650 w/2XW - Pickup .. \$1500
IH 555 w/2XW - Pickup .. \$1400
JD 38 w/2RN \$1800
JD 3800 Long Tongue
for Parts \$1100

COMBINING:

JD 237 MTD Picker \$1400
JD 42 pull type \$1400
JD 40 \$2900
Oliver 525 self propelled, w/11' grain & 2 row wide ... \$6000
JD 444 corn head \$5000
JD 6620 side hill w/15' platform \$56,000
Coming in...
JD 4400 Diesel w/13' Platform &
443 Corn Head \$29,500

TILLAGE:

Pittsburg 4x16 3 pt. plow.. \$550
MF 4x16 3 pt. Plow \$500
White Off-set disc, 11' ... \$4600
JD 350 5/16 reset plow
w/cushion coulters... \$3100
JD 145 5/16 Plow \$1000
JD 950 12' Roller Harrow \$2900

PLANTERS:

2 IHC 56 4 row exc. ... \$2700 ea.
2 Oliver 540 4 row \$600 ea.
JD 1250 6 row plateless
w/monitor. \$1900
IH Cyclo 4 row no-till ... \$2500
JD 1240 plateless \$1200

MISCELLANEOUS:

JD 680 Manure Spreader,
400 bu., like new \$5900

Huletide Greetings



WINELAND EQUIP. INC.

RD2 Rte 164 East
Martinsburg, PA 16662
Phone 814-793-2109



FOR SALE
(2) 20.8x38 8 ply Pierli radial tires.
New \$990 each.
Farmall M, fair condition, \$950
Brillion 11' packer exc. cond., \$890
Badger model 205-205 bu. spreader w/2nd beater, in new cond. \$2785

NI mod. 200 PTO spreader, nice cond. \$765

Taylorway 6'4" heavy duty offset disc harrow, 24" blades, new condition \$1600
Danuser model BMBH front mounted post driver, exc. cond. \$925

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526



SPECIAL CLEARANCE BUYS

NEW JOHN DEERE EQUIPMENT

2040 Tractor
336 Baler w/ejector
HD 336 Spring Tooth Harrow
1207 Mower Conditioner
1209 Mower Conditioner
2500 4B Hyd. Reset Plow
660 Rake
C81 Spin Spreader
714 Chuck Wagon
1075 Running Gear
1710 Mulch Tiller
Waiver of Finance on New Utility Tractors and Equipment sold with tractors. Also Lawn & Garden Tractors

OTHER EQUIPMENT AVAILABLE

JD 88 Rear Blade 9'
Bush Hog RM30 Rear Blade 8'
Bush Hog 1123-7' Rear Blade
JD 143-145 Loaders
JD 609 Rotary Cutter
JD 850, 950, 1050 Tractors
Century 500 gallon Liquid Fertilizer Sprayer

USED EQUIPMENT

JD B
JD LA
JD 520
JD 720
JD 3010
JD 4020
Farmall H, M, MD
AC C, WC, WD
Ford 8N
Farmhand Chuck Wagon
NH #6 Chuck Wagon
JD KBA Disc
JD 55 Combine w/Corn Head
JD 95 Combine w/ Corn Head
AC Gleaner CII w/C.H.
Bush Hog 1600 Cutter
Wood C-114 Cutter
NH 6' Cutter
Brillion RSS-112 Cutter
JD 507 Cutter

Special Deals on More Equipment not listed. See us Now!

Call For Details.
MILLER'S SALES & SERVICE INC.

West Penna. Ave.
on Highway 851
Stewartstown, Pa.
717-993-2470
or 993-2732



GREETINGS

Our Warmest Wishes For A Very Merry Christmas and A Happy New Year! Thanks For Your Patronage Throughout The Year!

WALTER G. COALE, INC.

2849-53 Churchville Rd.
Churchville, Maryland
Ph: (301) 734-7722 or (301) 879-1434

Sales & Service On:
• Ford • New Idea • New Holland •

Holiday Greetings



AIRVILLE EQ. INC.

PO Box 37 (Rt. 74)
Airville, PA 17302
717-862-3358 or 862-3967

USED MACHINERY

AC WD tractor
AC 185 w/loader, reconditioned
656 IH w/loader
885 diesel David Brown orchard tractor
4030 JD w/cab
2- Hydromac Skid Steer Loader
Gleaner L combine w/15' grain hd., 4 row narrow corn hd.
IH 440 baler w/thrower
Hesston 500 SP mower cond.
NI 272 cutditioner
IH 990 mower cond.
NH 1010 bale wagon
White 5 btm. hyd. reset plow
Oliver 4 btm. hyd. reset plow
MF 3 btm. hyd. reset plow
NH 717 forage harvester on 1 row hd.
IH 555 forage harvester w/2 hds.
237 JD mounted pickers
702 power unit and chopper and choice of heads
NI 708 power unit
737 Husking unit
731 4 row head
717 combine
713 platform
744 4 row head
NH 718 with new 1 row head or 2 row and pickup
AC 6' pull type rotary mower
JD 36' elevator w/motor
Taylorway 8' disc

NEW MACHINERY

SOLD Hesston 7160 (Attaching heads for all)
16' forage wagon
Round Balers: 5540 & 5580
Bale movers
4600 baler w/thrower
Mower Conditioners: 1071, 1091
New 7600 Field Queen harvester, & all attaching heads
Allis Chalmers

5040
5045
5050 **SOLD** drive
5050 orchard tractors
6080 **SOLD**
6080
6060 4 wh. drive
Discs: 2300, 2500 & 2600 series
New M2 corn plus combine
FKS Combine
Kubota
B 6100 w/4 wh. drive
B 6100 HST 4 wh. drive
B 6100 HST 2 wh. drive
B 7100 HST 2 wh. drive
L 345 4 wh. drive + loaders, mowers, accessories
Bobcat

530
743
310
New Idea
Uni System Plats.
Combine
Chopper
1 row pickers
2 row pickers
Elevators
Allied
GT grain dryer
Moore no till drill

FARM EQUIPMENT

FARM EQUIPMENT

VIEL ROCK RAKES

There is nothing tougher than these 1 1/4" Square Spring Steel Tines.

Heavy Cross Bar



Shown is Size R70300 with 7" Swath and 3" spacing.

TAKE THE HARD WORK OUT OF HANDLING ROCKS

Rake the rocks on a pile with a rock rake, then take the front end loader & load the rocks.

The Low Cost System

John J. Hoover, dealer

RD 1 Box 56, Clark Run Rd.
Blaine, PA 717-536-3597
No Sunday Sales

LET'S MAKE A DEAL



Hydra-Mac 20C III diesel, skid steer loader, new

Marv Brown formerly from Ephrata, PA, now general manager, announces a "Let's make a deal" clearance sale on the equipment listed in this ad. Prices will be in effect through 12-31-81.

Marv says "We plan to clear this inventory out of our stock NOW so lets make a deal"



Hydrostatic all gear drive, load capacity 4000 lbs., 66" manure fork, 68" material bucket \$15,280
Hanson 3 pt. snowblower, 7' demonstrator 1,699
IH 80 snowblower 1,865
Used McKee 8' front mounted snowblower \$1,200

USED EQUIPMENT

IH 656 row crop loader \$6,500
IH 544 hydro utility 3 pt. hitch 4,900
JD loader for 3010 tractor 225
NH 479 mower conditioner 2,650
IH 990 9' mower conditioner 1,100
IH 350 springtooth harrow 500
IH #55 14 tooth hickory chisel plow 1,300
Ford 2 row 3 pt. hitch planter 175
IH 455 4 row planter 350
IH #37 baler w/thrower 800
JD 24T baler w/thrower 1,500

NEW ALLIED EQUIPMENT

Amco 10'6" heavy duty disc harrow \$4175
Glencoe 7 shank soil saver \$4750
Amco 18' heavy duty rock flex disc harrow \$10,700
Glencoe 12'9" soil finisher \$6225
Cagle 7' box scraper \$375
Dunham Lehr #22 loader w/bucket \$2085
Vicon wheel rake \$990
Brillion 12' cultipacker \$1275

NEW IH EQUIPMENT

830 harvester w/grass head & 3 row crop unit \$1195
530 spreader 145 bu. capacity \$2250
595 spreader tandem axle 325 bu. capacity \$6595
730 4 furrow automatic adjustable width plow \$6650
1250 grinder mixer \$6225
56 blower \$1825
784 diesel tractor w/T A \$15,750

Service Special
All work performed in our service center through January. 10% discount on IH parts used.



We ship parts by UPS daily
C & W EQUIPMENT, INC.
260 York Rd.
Carlisle, PA 17013
717-243-4419

FARM EQUIPMENT

FARM EQUIPMENT

NEW SPECIALS

519 NH manure spreader
310 NH baler
165 bu. and 230 bu. gravity blow boxes
6 ton wagon chassis
Myers Snowplows

USED SPECIALS

717 NH forage harvester w/2 row corn head and pick-up head
MM 2 row picker sheller
977 Pasqualli tractor w/3 pt. and loader
1050 Bolens tractor w/42" mower
JD forage wagon

Ask for special prices on items listed above.



EDWARDS FARM EQUIPMENT

291 W. Moorestown Road
Route 512 At Clearfield,
Nazareth, Pa. 18064
Phone 1 (215) 759-0240



Happy New Year

1982

It's destined to be 365 days of smiles...hope it is! Thanks, all!

Trumbauersville to Finland Rd., Quakertown, PA
Call (215) 536-1935, 536-7523
OR Rts. 309 & 100, New Tripoli, PA (215) 767-7611

TRACTORS

Farmall 560 D
Farmall 400
Farmall 460 D
Farmall M
Farmall H
JD 3010 D w/loader
(2) JD 60
White 250 D, like new!
Oliver 1850 D
Oliver 500 D
Oliver 55 D
MF 1100 D
MF 1080 D
MF 180 D w/loader
MF 180 D
MF 50
Ferguson 30 w/loader
Ford 3000 G
Ford 800
Ford 601
Ford 9N
Case 630 w/loader
(3) Case 300
Case DV
Satoh Elk 550 w/low hrs
AC 7040 D w/cab
AC 7020 PS D w/cab
AC 200 D
AC 190X1 D w/cab
AC D19
AC D17 D
AC WD45 G
AC WD G

COMBINES

Gleaner MKS w/13' grain & 630 corn heads.
Gleaner FKS w/grain & corn heads
Gleaner All w/13' grain & 2-row corn heads
Gleaner CII w/13' grain & 438 corn heads
JD 55 Corn Special w/cab, 12' grain & 330 corn heads
JD 55 w/grain & corn heads
JD 40 w/grain & corn heads
JD 45 w/grain & corn heads
MF 82 w/grain & corn heads
NH 975 w/grain & corn heads
IH 203 w/grain & corn heads
NI Uni-System /04 w/11' combine, 4-row corn head
Behlen 400 BU Grain Dryer



MANURE SPREADERS

(2) NI 213 Flail, 176 BU
(2) NI 213 Single Beater, 176 BU.
(2) NI 213 Three Beater, 176 BU.
NI 218 Single Beater, 318 BU
NI 218 Single Beater, 318 BU., EX. COND
NH 516 Single Beater w/ endgate, EXCEL.
NH 365 Tank Spreader w/hyd. lid, 6 TON
Hawk Bilt-255 Tank Spreader, 7 TON



SPECIAL SALE



Meyer's 7', 8', & 9' snowblades for farm tractors in stock and ready to go!!! CALL TODAY!!!



Lobachsville, Oley, PA (215) 987-6221, 987-6257

FORRESTER FARMS

1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
Sales - Parts - Service



2 IH 1066 w/cab	2 Ford 9600, 1 w/cab
1H /84 w/cab	Ford 9/00 w/cab
4 JD 4020 one w/cab	Ford 1W 10
2 JD 3120	Ford 8600
2 JD 2130 1 w/cab	4 Ford 5000
3 JD 2120	Ford 4500 backhoe
3 JD 2020	Ford 9N
U2 Cat crawler	3 Ford 3000
Jaeger irrigation pump	Ford 841
MH 1080 w/cab	Ford 7/2 A loader
MH 1/5	Ford 641 diesel
New Long 360	Roadless 95 4 wh.
w/Loader	drive
New Long traveling ir-	
rigation unit	

1/4 Mile East of Exit 6 I-81

**MERRY
CHRISTMAS**

New Equipment Sale

Diesel Tractors	List	Sale
2440	\$21,183.00	15,900.00
4040	31,414.00	23,500.00
Plows		
2600 - 5 BTM		
Spring Reest	9,765.00	7,295.00
Disk		
225 - 12 ft.		
offset	6,091.00	4,650.00
115 - 10 ft.	4,533.00	3,850.00
Chisel Plow		
1610 - 11 ft.		
Pull Type	4,246.00	3,295.00
Mower Conditioner		
1209	8,470.00	6,495.00
1320	11,027.00	9,295.00
Spreaders		
34	3,505.00	2,895.00
445 Flail	5,255.00	3,725.00
465 Flail	5,910.00	4,295.00
Loaders		
143	2,266.00	1,595.00
158	4,194.00	3,295.00
260	5,057.00	4,095.00
Rear Blades		
45 - 6 ft.	430.00	350.00
65 - 8 ft.	714.00	625.00
78 - 8 ft.	544.00	450.00
88 - 8 ft.	869.00	775.00
115 - 8 ft.	1,377.00	1,050.00
115 - 9 ft.	1,601.00	1,225.00
155 - 9 ft.	2,520.00	1,825.00
Rotary Cutters		
609 pull Type	2,304.00	1,995.00
Wagon		
1075 10 ton	2,509.00	1,450.00
Sprayer		
550	4,462.00	3,195.00
Power Till Seeder		
1550 Demo	10,996.00	6,595.00
Forage Equipment		
3 row - row crop		
head	6,587.00	4,200.00
Bulldozer Blade		
534 - 9 ft.	3,149.00	2,395.00
Post Driver		
51	953.00	725.00

1981 Tire Inventory Sale

	Sale
4 - 13.6x38 - 6 ply Traction Torque	194.40
2 - 16.9x30 - 6 ply Goodrich	240.00
3 - 15.5x38 - 8 ply Power Torque	435.26
4 - 15.5x38 - 6 ply Traction Torque	273.18
1 - 18.4x34 - 6 ply Power Torque	499.36
1 - 18.4x34 - 8 ply Power Torque	499.36
2 - 14.9x26 - 6 ply Power Torque	307.30
1 - 13.6x38 - 6 ply Power Torque	194.40
2 - 11.2x28 - 4 ply Traction Torque	119.22
1 - 12.4x24 - 4 ply Traction Torque	119.87
1 - 14.9x28 - 6 ply Firestone A.T.	
Field & Road	150.00
2 - 16.9x28 - 6 ply Power Torque	259.31
2 - 18.4x30 - 6 ply Goodrich	187.50
2 - 12.4x38 - 6 ply Traction Torque	234.77
1 - 23.1x26 - 10 ply Power Torque	820.56
1 - 13.9x36 - 4 ply Traction Torque	156.66
2 - 18.4x38 - 8 ply Power Torque	549.76
2 - 20.8x38 - 10 ply Firestone A.T.	900.00

Waiver of Finance
available on all
New JD tractors
till 6-1-82
Call for Details

NEUHAUS'ES INC.
John Deere Sales
& Service
RD2, York, PA 17403
Phone - 717-428-1953

FARM EQUIPMENT

For Sale - J.D. 430
w/power steering 7' front
mounted - Myers snow
plow; Farmall Cub w/front
mounted snow plow, front
mounted snow plow to fit
JD 60; Sauder snow plow.
215-679-9010.

NI 206 manure spreader,
new. NI 323 corn picker
w/AC engine, like new.
717-768-8679.

FARM EQUIPMENT

Leyland 384, 1800 hrs
excellent. Case 1412 like
new, IH 300 low profile.
IH 12' haybine, pull-type.
Dion forage wagon. Dion
running gear 12 ton 20"
tires. 717-942-4244

For Sale - Int. 806 diesel,
3 pt. wide front, 18-4-38
rubber. 215-61

KUBOTA

We're looking for work.



Retail SALE
L-295 DT \$9,295 \$7,224
KUBOTA DEMONSTRATOR

SALE
B5100E Turf \$4,490 \$3,440
L-185 DT \$6,490 \$4,650
L-305 DT \$10,270 \$7,840
L-345 F \$9,170 \$7,130

NEW SPECIALS

Inter. 515 2 cu. yd. Loader
I.H. 125 E Crawler Loader
I.H. 260 Backhoe & Loader
I.H. 270 Backhoe & Loader
I.H. 2410 Loader Tractor

**USED EQUIPMENT
SKID STEER LOADERS**

Bobcat 600 \$3,400
I.H. 3300 B \$4,200
I.H. 3300 B w/Backhoe \$5,900

TRACTORS

2N Ford \$1,600
I.H. 7 H.P. Cadet \$150
Farmall Cub w/F.H. & Pulley \$1,400
AC I-40 w/Loader \$3,900
IH 240 w/Loader (150 Hrs.) \$10,500
Ford 2000 w/Broom \$2,000
IH 238D w/Loader \$9,500

BACKHOE LOADERS

Case 530 D CK \$3,900
I.H. 3444 D \$5,500
I.H. 3514 D \$7,500
I.H. 3514 D \$8,500
I.H. 3500 D \$12,500
I.H. 260 D 3 from \$14,500
I.H. 3600 3 from \$8,500
I.H. 270 \$19,500
Insley 560 \$13,500

CRAWLER DOZER

I.H. 500 6 way \$6,500
I.H. 500 C 6 way \$7,500

CRAWLER LOADER

Cat HT-4 w/Ripper \$3,900
I.H. 125C \$16,900
I.H. 125 E \$24,500
I.H. 175 C \$29,500

TRAILERS

Tag A Long 6 ton \$2,000
I.H. Tilt 6 Ton \$1,500
General 9 Ton \$1,500
General 9 Ton \$2,200

TRUCKS

1969 Dodge 4x4 Dump \$1,400

RICHARDS INTERNATIONAL, INC.

P.O. Box 350 - Rt. 83 - Exit 17
New Cumberland, PA 17070
Phone 717/774-3066

FARM EQUIPMENT**FARM EQUIPMENT****FARM EQUIPMENT****USED EQUIPMENT**

JD 4320 Tractor
JD 4440 Tractor
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 244 Cornhead
JD 1250 corn planter
JD 214WS Baler
JD 346W Baler w/kicker
NH 273 baler
JD 485 mower con-
ditioner
NH 469 Haybine 9'
JD FB Drill
JD 3800 Chopper
JD 47 loader
Oliver 5x16 Plow
Case - Field Cultivator
IHC 470-17' disc

**SPECIAL PRICES ON
NEW EQUIPMENT**
Grimm Tedders in
Stock

H & H Bale Bodies
**SPECIAL INVENTORY
SALE ON**

NEW EQUIPMENT
1- JD 111 - 12 Ft. 10 In.
Disk - \$2895.00
1- JD 1630 - 11 Ft.
Plowing Disk -
\$4,540.00
1- JD 2800 PLOW 5-16" -
\$4685.00
1- JD 2450 - 7-16" PLOW
- \$4,815.00
No Trade-Ins Accepted.

**J.S. COVERT
& SONS**

Neshanic Station, NJ
201-389-5241
Just 3 miles off Rt. 202
(Between Flemington &
Somerville)

**RENT-A-BOBCAT
and
DO YOUR
OWN THINGS!**

You'll get tons of work out of a
rental BOBCAT... like mov-
ing dirt or sand, digging a
trench, transplanting a tree or
wrecking a building Rental
available by the hour, day,
week or month. Call us today

**SWOPE &
BASHORE, INC.**

RD #1, Myerstown, Pa.
(Frystown)
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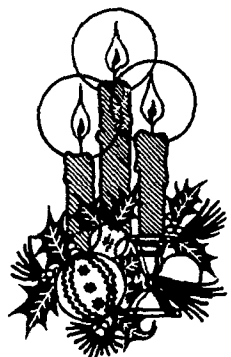
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JD 4020 Tractor P.S.
W.F.
JD 2640 Tractor
w/loader
JD 2520 Tractor
JD 950 Tractor
Farmall 200 Tractor
w/ftr. Blade & 2B
Plow
IHC 856 Tractor
IHC 856 Tractor
JD 1207 Mower Con-
ditioner
JD 1209 Mower Con-
ditioner
JD 485 Mower Con-
ditioner
NI 2R Pull Type Picker
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w/sheller
JD 1240 4R Plateless
Corn Planter
JD 1240 Corn Planter
JD 1240 Corn Planter
AC 4R No-Til Planter,
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JD BWA Disc
Athens Disc
JD B Plane 15 Disc
Grain Drill
JD 3800 Chopper w/2
row corn hd
JD 6600 Combine, hyd.
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JD 6600 Combine w/15'
Platform & 443 Corn
Head
JD 6600 Combine w/15'
Platform & 444 Corn
Head
JD 105 Combine
w/platform and corn
head
Woods C114 Rotary
Mower
Woods 120 Offset Rotary
Mower
NH 68 Baler w/ejector
JD 336 Baler w/ejector
JD 214 Baler w/thrower
JD 24T Baler w/ejector
JD 24T Baler w/ejector
NI 279 Cut/ditioner
JD 2800 6B Plow
JD 145 6B Plow
JD 325 3B Plow
JD 1450 5B Plow
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JD 950 12' Roller
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JD 1550 Power Till
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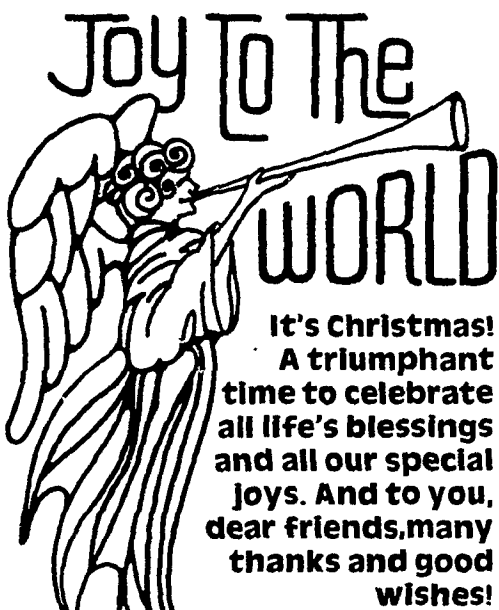
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wishes!

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JD 950
JD 2040
JD 2240
JD 2440
JD 2640
JD 2940
JD 4240 w/SG & QR
JD 4440 w/SG & QR

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JD 950 12' Harrow
JD RM4 cultivator
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JD 444 Corn Head
JD 6620 Combine

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JD 965, 1065 Wagons
JD 78 Blade
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JD 34, 40 450
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NH 679 Spreaders
NH 14, 230, 234
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JD 4040
JD 4440

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JD 1209 Mower Conditioner
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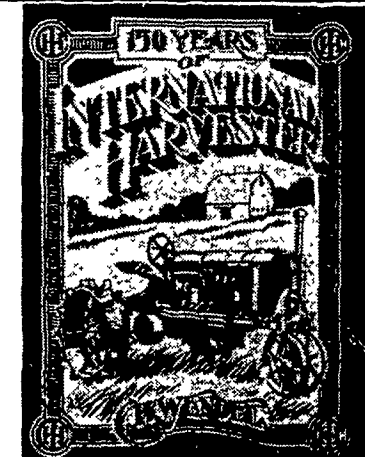
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JD 4440 PS, SG	JD 2240
JD 4240 Quad, SG	JD 2040
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JD 2640	

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JD 1020 Ru Gas w/37 loader
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MF 65 dsl.
IHC Cub w/mower
IHC 606 dsl. w/TA.

Used Loaders

JD 46A loader

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JD 750 w/MF WD w/375 Blade
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743N 3 RN corn head
713 grain platform

Used New Idea Uni-Equip.

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705 dsl. power unit w/cab
767 super chopper
768 w/N3 row RC
769 flail mate
762 2R 30" RC

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NI 206 Gr. drive
NI 207 PTO
NH 327 PTO
JD 54 PTO
NI 213 w/Endgate
NI 214 Flail
NI 218 8½ ton w/Endgate
NI 224 10 Ton w/Endgate

New Corn Pickers

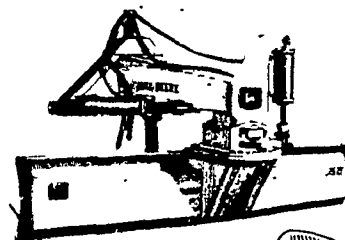
NI 325/327 2-row
NI 323 1-row

New Rotary Cutters

JD 506 5' util. 3 pt.
JD 606 6' util. PT

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JD 7700 w/14' plat.
JD 6600 hydro. w/13' flex plat. &
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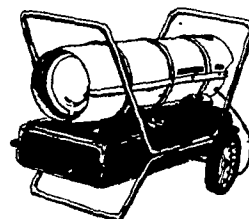


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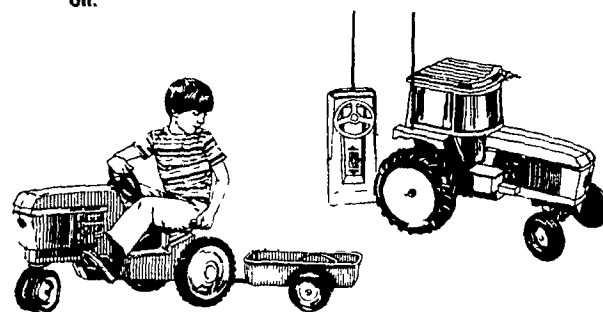
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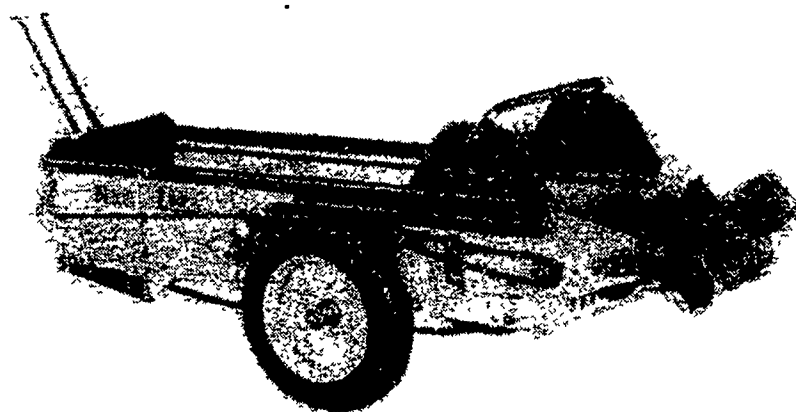
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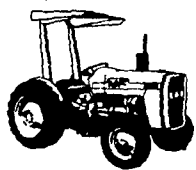
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MF 1085 Tractor	NH 270 Baler
MF 205 Diesel Tractor	w/thrower
w/Loader	NH 269 Baler
MF 50 Tractor	w/thrower
MF 40 Dsl Tractor and	NH 1010 Bale Wagon
Loader	MH 35 Combine
MF 35 Tractor	Brillion 12' field
Ford 641 Tractor	cultivator
w/Loader & Bucket	NH 510 Manure
Farmall Super H Trac-	Spreader
tor	NI 213 Manure
JD MT Tractor	Spreader
Ford 8N Tractor	AC Blower
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MF 245 Tractor	MF 34A Loader
MF 265 Tractor	MF 32 A Loader
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MF 220 Tractor	(2) MF 216 Loader
MF 210 Dsl. Tractor	MF 300A Loader
(2) MF 205 Diesel	MF 640 Corn Planter
Tractor	MF #43 2B Plow
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MF 50C w/Loader	MF 520 Disc Harrow
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Tandem Axle	\$6,500

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(5) #213-176 bu.
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(1) #218-300 bu. w/top
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USED SPREADERS

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(1) MF 160 bu.
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(1) NH #365 tank, left
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Hyd. gate, very
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BALERS

NH 320 w/thrower
NH 268 w/thrower
NH 269 w/motor
NH 273 w/thrower
NH 275 w/thrower
AC 303

MISCELLANEOUS

NH 1000 Bale Wagon
NH 1012 Bale Wagon
(2) NH 1010 Stack
Line Wagon
Howard Rotovator
MC 9E Rotary
Scythe

JD 750 Grinder-Mix-

er
Farmhand F85B
Grinder-Mixer
Vicon Disc Mower
NI Rake
NH 36 Crop Chopper
(2) NH 258 Rakes
JD Elevator
NH 155 Elevator
AC 2300 Disc

CORN PLANTERS

AC 600 4R w/dry fert.
AC 600 4R w/liquid
fert.
AC 6R no-till
JD 1400
IHC Cyclo
White 6 Row No till

SKID LOADERS

NH L-35
NH 775 Gas
NH 775 Diesel
NH 425 Rental

COMBINES

NH 995 w/15' Plat-
form
JD 105 w/444 Corn
Head & Grain
Head

SPREADERS

NH 562 Tank
NH 365 Tank
NH 368 Tank

FARM EQUIPMENT

Poly-glass fertilizer storage tanks
11 sizes up to 6000 gallons
Cone-bottom tanks from 250 gallon to 2500 gallons
Early order discount

Thomas Bachman & Sons
2501 Fallston Rd.
Fallston, MD 21047
301-836-6877
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BEARTOWN HYDRAULICS
New and Used Equipment
Narvon, PA
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FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT



Nothing runs like a Deere

THIS WEEK'S SPECIALS

**MF 1105, 720 HRS. w/CAB
NEW JD 4040 TRACTOR
NEW JD 4040 THRU 8640
TRACTORS NO FINANCE CHARGE
TILL JUNE 1, 1982**

USED TRACTORS
MF 1105 w/Cab
IH 656 Hydro.
Case 885, 500 hrs.
JD 2840 w/Loader

USED CORNPLANTERS
JD 7000 No-Till
JD 7000 Conservation
JD 1240
JD 1260
JD 494A

USED HAY & FORAGE EQUIPMENT
NH 1895 Sp Fg. Harvester w/3 heads
JD 35 Fg. Harvester w/N2 head
JD 3800 Forage Harvester w/2RN
Fox 2200 Fg. Harv. w/2 heads
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
NI Side Rake
NH 1010 Auto Bale Wagon

NH 273, 271 & 269 Balers
w/Throwers
OMC 9' Mower Cond.
JD 1207 Mower Cond.
JD Hay Crimper
NH 1469 SP Haybine, w/Ford Water Cooled engine
NH 495 Haybine
NH 469 Haybines
Hesston 1010 Swing Tongue.
JD 216 Fg. Wagon

USED TILLAGE
9 Shank Soil Saver

MISCELLANEOUS
15 HP 3 phase elec. Motor
JD 34 Spreader w/ Hydraulic end-gate
Davis Scat Back Loader

NEW TRACTORS
JD 4240 SG, Power Shift
JD 4040 4 Post, QR
JD 2440
JD 2240

NEW HAY & FORAGE EQUIPMENT
JD 506 Gyamor Mower
JD 1209 Mower Conditioner
NH 718 Fg. Harvester
JD 3940 & 3960 Fg. Harvester
JD 337 Balers
NH 315 & 320 Balers
Bale King Bale Boxes
JD 2420 Sp. 12' Dsl. Mower Conditioner
NH 1495 SP Haybine
NH 489 & 495 Haybines
JD 567 Wheel Rake

NEW TILLAGE
JD 950 Roller Harrow
NH D100 Disc Harrow
JD 2600 & 2700 4B Plows
JD 1600 Chisel Plow
JD 115 & 215 Disc Harrows
JD 336 Lever Harrows

NEW SKID STEER LOADERS
Bobcat 642 & 743.

NEW SPREADERS
NH 329, 519, & 791
JD 392 Spin
JD 450 Hydro Push
Martin V Type & Scavenger

NEW DRILLS
JD 8250 18x7
JD 8200 14x7

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
EZ-Flo Gravity Boxes

NO FINANCE CHARGE ON NEW & USED JD TRACTORS TILL MARCH 1, 1982

NO FINANCE CHARGE ON NH - FORAGE TILL MARCH 1, NH HAY TOOLS TILL JUNE 1 JD HAY & FG. EQUIP. TILL MAY 1.

CLUGSTON IMPLEMENT, Inc.
1 Block off I-81 Exit 8
Chambersburg, PA 17201
Phone: 717-263-4103

bobcat **SPERRY** **NEW HOLLAND**



USED EQUIPMENT
MF 510 Diesel Combine w/MF 44 Cornhead
Farmall Super C
JD "A" Tractor
MF 35 Tractor
MF 1105 Tractor
MF 1130 Tractor
JD TO 100 Disc
Grain Drills
Oliver 3241 Plow
MF 74 Plow
JD "A" 0045 Plow
NI 214 Spreader

NEW EQUIPMENT
MF 184-4 Tractor
MF 4880 Tractor
MF 30B Tractor Loader
MF 230 Tractor
MF 2875 Tractor
MF 1050 Grinder Mixer
MF 880 Combine
MF 880 Plow
NI 323 Pickers
NI Manure Spreaders
Bearcat For. Harvester

N.H. FLICKER & SONS, INC.
Box 68
Maxatawny, PA 19538
215-683-7252

SILOS & UNLOADERS

Looking for a bargain? 4214 convertible Slurrystore with DeLaval Sahlstrom P.T.O. pit pump and over-top agitation includes 3,250 gal. Calumet liquid manure spreader with injectors. Take over balance of lease payments. 7 1/2% interest. Call 717-354-4051. Penn Jersey Harvestore Systems, Inc.

For Sale - GRANGE SILO, new Hydraulic pressed concrete stave, manufactured by Corstone Silo Co., Box 156, South Monroese, Susquehanna Co. Pa. Write or Call plant 717-278-3045, NY office at Weedsport, NY 315-834-9200. Service Rep for SE PA Ralph Estelle, -Manheim, PA 717-665-7105.

FICKES SILO COMPANY
NEWVILLE, PENNA 17241
PHONE: (717) 776-3129

FOR SALE
1 slightly used professional silo jacking system. Can be used w/A.O. Smith Harvestore or S.P.I. Sealstor structures. Both erection & teardown.
Write for details
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NEGLEY & MILLER SILO CO.
Rt 1 Box 93 Shermansdale, PA 17090
Ph (717) 582-4108 Evenings 834-4838

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- Wet Cast Concrete Staves
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- Deluxe Colordome Roof
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- Replaster
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- New Extensions
- Used Extensions
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- P&D Ring Drive Unloaders
- Unloaders rugged, tough & powerful to perform fast at a "flip of a switch"
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NEW TRACTORS IN STOCK

5288 w/C&A 3 Valves & Radials & 160 hp.
3688 w/Cab & Air 18.4x38 Tires, 110 hp.
1086 w/C&A 20.8x38 Tires, 130 hp.

ALL TRACTORS WAIVER OF INTEREST 'TILL 3-1-82

NEW EQUIPMENT SPECIALS

IH 1250 Grinder/Mixer \$7380.....\$6100
IH 595 Spreader, 451 Cu' \$8287.....\$6950
IH 550 Spreader 249 Cu' \$4845.....\$4100

WAIVER OF INTEREST 'TIL 3-1-82

NEW TILLAGE EQUIPMENT SPECIALS

IH 510 4-18 Plow.....\$4250
IH 510 5-18 Plow.....\$4650
IH 720 5-18 Toggle Plow.....\$6200
IH 720 6-18 Toggle on Land.....\$8250
IH 475 17'8" Folding Hyd. w/Cyl.....\$7250

WAIVER OF INTEREST 'TILL 3-1-82

USED TRACTORS

IH 966, D w/WF & 2.2 pt.....\$12,500
IH F 544 Diesel w/WF end and 3 pt. hitch.....\$6850
2-IH F-M Any price range

WAIVER OF INTEREST 'TIL 3-1-82

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker.....\$950
IH 76 Pull Combine.....\$650

USED HAY EQUIPMENT

IH 990 9' mower conditioner.....\$2350
IH 37 Baler w/thrower.....\$1800
IH 15 Rake.....\$375
NH 479 9' Haybine.....\$1500
IH 27 Baler w/thrower.....\$1500
NH 56 Hay rake.....\$750

WAIVER OF INTEREST 'TILL 5-1-82

USED TILLAGE

IH 510 4f 16" nice w/cylinder.....\$2150
IH 720 6f 18" like new w/cylinder, toggle trip. MF 4f 14".....\$6500
MF 4f 14".....\$300

WAIVER OF INTEREST 'TILL 3-1-82

USED SPREADER AND MISC.

IH 530 Spreader.....\$1350
IH Wagner Loader w/buckets.....\$450
JD 760 Tub Spreader.....\$850

WAIVER OF INTEREST 'TILL 3-1-82

USED PLANTERS AND DRILLS

IH 400 6 row 30" real nice.....\$5950
JD 494 4 row shoe.....\$400
IH 56 2 row real nice.....\$1250

WAIVER OF INTEREST 'TILL 5-1-82

MIFFLINBURG FARM SUPPLY, INC.

East Chestnut St., Mifflinburg, PA 17844
Phone: (717) 966-3114
Evenings - 717-524-2924 - Frank Saner



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- ★ Pipes and Spreaders
- ★ Wood Silo Houses
- ★ Wood Feed Carts
- ★ Mekio Calf Hutchers

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RD #2 Narvon,
Pa. 17555
717-354-4374

BUILDINGS & SUPPLIES

CYPRESS LUMBER for sale, A & A Mushroom Supply Co., Rt. 7, Avondale, Pa. 215-268-3128.

For Sale - Peach Bottom slate 9x14 717-755-3151.

Will trade - 20" jointer for thickness planer. 215-252-6665

For Sale - lg. wooden barn, 50x75, never painted, slate roof, you remove, make offer Harford Co., MD 301-836-3782.

10 pieces, 3/4"x4"x10' plywood \$20 each 20 100 lb. steel grates 2 1/2"x15"x30" \$20 each. 2 Kawneer all aluminum and glass door and frame \$50 each Western 1 bag mortar mixture \$300. 4 baseboard heaters 3000 watts 250 volts 20"x5" \$25 each 2 Everwarm unit heaters 3 phase 10KW \$75 each Lebanon County. 717-865-6860 after 3 P.M.

SAVE 25%



**CUSTOMER CANCELS
SISSOR TRUSS
100' BLDG.
44' SPAN
6:12 PITCH
IDEAL FOR
CHURCH OR
COMMUNITY
BLDG.
CALL
304-263-1467
OR
304-263-7000**

GRAIN EQUIPMENT

Wanted - automatic batch or continuous flow dryer. Also grain leg at least 65' and wet holding tank in 2000-3000 bu. Must be in exc. condition, single phase electricity. 703-594-2709

Grain bins, hopper tanks, drying bins, augers, leg elevators & aeration fans.
Complete Erection Service or
Use our jacks free & save

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LOW PRICE ON
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BELT FEEDERS
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UNLOADERS
BARN & FEEDLOT EQUIP.
RITCHIE WATERERS
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Larry or Wayne



SILOS AND EQUIP.
SEE PAGE C4

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SILO CO. INC.**
Terre Hill, PA
17581

PHONE:
215-445-6736

53 Yrs. Sales Serv.

DAIRY EQUIPMENT

SILOS & UNLOADERS

1980 all purpose 20 x 32 expandable, white top Harvestore w/Hercules unloader. Like new. Included electronic forage weigher & supplement meter. Call Penn Jersey Harvestore Systems, Inc., 717-354-4051

Large early order discounts now in effect Madison Silos. 717-653-1567.

DAIRY EQUIPMENT

Wanted - 4-6 can milk cooler, front load and clean separator, 100-150 gallon bulk milk tank and stainless steel milk cans. 215-857-3463.

1250 gallon White Surge tank w/preheater, two 3HP compressors, 82 gallon electric water heater, Bou-matic pipeline for 32 cow barn 2" glasslined 8 units. Two 5HP direct drive pump. All equipment like new. Supreme mixer w/5 HP motor. 717-898-8736 after 6 p.m.

Having sold herd the following milk equipment is for sale: 1000 gallon Sunset tank and 2 compressors, 1000 gallon Surge tank and 2 compressors, 20" Griton pre-cooler pipe and ice builder, Hot water pre heater, Double 8 DeLaval Herringbone parlor, 16 units, 16 weigh jars, 16 200 control boxes, 2 5 HP 77 vacuum pump, milk pump, 16 feeders, in place washer. This has been an operating parlor until Nov. 24, 1981. Call 201-832-2157

CECIL DAIRY SERVICE

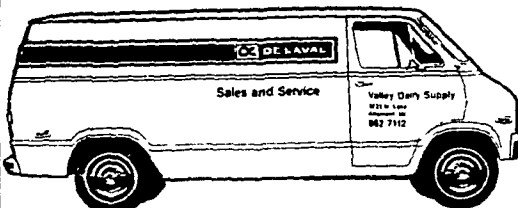
Depression here maybe, but we're fighting - so we have great prices on new and used goodies.

- 1 Demonstrator Badger vacuum spreader tank, 1500 gallon
- 1 used Huskey spreader tank, 3000 gallon
- 1 used Badger spreader tank, 1500 gallon
- 2 new DeLaval manure stirrers
- 1 new DeLaval Satellite feeding station w/2 stalls, (returns \$2 for each \$1 invested)
- 2 DeLaval #78 vacuum pumps w/free servo-regulator plus \$100 rebate from company

We have our first ration master customer: Mr. Willis Hocking and Sons at West Grove, PA. We are anxious to watch their progress.

We have route service with our truck and our planning scheduled maintenance for anyone interested.

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you can
depend on...**



When your dairy equipment needs professional service it's good to know we're as close as your telephone. Our service technicians are all specially trained to know De Laval® equipment inside out. So when you break down we can get you going again as soon as possible. But, even better, check with us about our Scheduled Maintenance Program. Regular maintenance is the best way to keep your equipment performing the way it was designed to perform. And, in the long run, that means more milk at less cost. Emergency service or scheduled maintenance... give us a call.



Call: 301-658-6923
374 Biggs Highway (#273)
Rising Sun, Md. 21911

DAIRY EQUIPMENT

For Sale - Outside calf hutches w/metal roofs & feeders. Stoltzfus Woodwork, RD2 Gap, PA 17527 along 897. 717-442-8972

Double 6 Choreboy milking parlor. Complete feeding system Stainless steel feeders feeding meters. Used 1 year. Excellent condition. Lebanon Co. 717-933-5173

For Sale - Kraiburg Happy Moo-Mats. 15 sizes. We deliver and install. Vanco Sales, RD 4 Box 300 Carlisle, PA 17013, Phone 717-776-3494

DAIRY EQUIPMENT

Patz barn cleaner parts, elevator unit and motor, 15" elevator. 814-239-2593

4. Starite weigh jars 65 lbs., DHIA approved. 717-374-4948.

For Sale - Good used bedding chopper, one year old. Also clean straw for sale. Lancaster Co. 717-464-4945.

Universal milking machine, vacuum pump, compressor, Jamesway freon bulk tank and accessories. 215-536-9424

DAIRY EQUIPMENT

4 Surge Pail milkers, 2 DeLaval pail milkers, 1 dumping station complete, stainless steel double wash tub. 814-793-2339

For Sale - 500 gal. Mueller bulk milk tank with washer \$1400. 215-598-3219

For Sale - Sputniks, new and used. DeLaval milkers with 55 lb. pails; 2 600 gal. Giron tanks, 1 with 5 hp compressor; twin tubs and wash mats, Bender teat cup washers. Elam Stoltzfus, RD 1, Box 91, Kirkwood, PA 17536

For Sale - Surge high volume tube cooler. \$400. 814-623-2603

For Sale - Cream Separator Hand operated 90 qts. per hr. 2 only \$350.00 each

J.B. Zimmerman & Sons
Rt. 23 Blue Ball, Pa. 17506
717-354-4955

Wanted - Good used can milk cooler. Prefer 12 can cooler. Contact Homer Coblenz, RD 1, Box 235, Meyersdale, PA 15552

Electric grain cart, Vebler model GM15; electronic scale, charger, excellent condition. Chester County. 215-458-5023

LIVESTOCK EQUIPMENT & SUPPLIES

FOR SALE

**William Beam's
Baled Wood
Shavings**

Kiln dried, 3.25 cu. ft. bales. Sold by the bale or truckload. You pickup or we deliver.

**Morgantown, PA
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DAIRY EQUIPMENT

For Sale - Rubber Matting for free stalls, stanchions, horse vans and horse stalls. Also saw dust for sale in trailer lots. Will deliver & install. 301-885-5045.

**Fingertip Feed Control
by Horn of Plenty
Computerized
dairy feeder**

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1-800-848-4296
or 717-249-6720

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MILKING EQUIPMENT

- (1) used 2" Surge pipeline
- (1) used 2" Bou-matic pipeline
- (1) used double 4 (late style) Herringbone milking parlor
- (1) used Zero 50 CFM Vacuum pump
- (1) used 30 Alamo Vacuum pump
- (2) Bou-matic 75 CFM Vacuum pumps
- (2) Bou-matic 100 CFM Vacuum pumps
- (2) Bou-matic 120 CFM Vacuum pumps
- (1) used 1 1/2" moisture trap assembly
- Several 2" moisture trap assemblies
- Assorted Glass coupling wrenches
- New & Used Automatic Detachers

USED DUMPING STATIONS

USED MOTORS

- 1, 2, 3 & 7 1/2 HP

USED SURGE HEAT RECOVERY SYSTEMS

USED BULK TANK COMPRESSORS

- 2, 3, 4, & 5 HP

MILK TANK RECORDERS

NUMEROUS 2 HOUR TIMERS

NUMEROUS 12 VOLT INTERVAL

TIMERS (Runs 5 min. out of the hour)

ASSORTED BUSHING & PULLEYS

- For motors and line shafts

BOLTS

- Carriage bolts 1/4" to 5/8" diameter by 1" to 6" in length
- National course 1/4" to 3/4" diameter by 1/2" to 6" in length
- National fine 1/4" to 3/4" diameter by 1/2" to 6" in length

LIQUID MANURE EQUIPMENT

- 2 used Better Bilt high pressure pumps priced to sell

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**USED DELAVAL 1 1/2" GLASS
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CURRENT LIST PRICE.**

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Madison

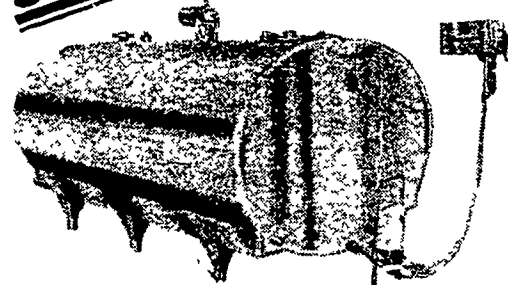
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Silverdale, PA 18962

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ON NEW AND USED MUELLER TANKS

MUELLER Bulk Milk Coolers

- 3 - Used 500-Gallon Model "OH" Milk Cooler, complete with new HiPerForm Condensing Unit and automatic washing system 3 H.P.
- 1 - Used 800-Gallon Model "OH" Milk Cooler, complete with new HiPerForm Condensing Unit and automatic washing system Dual 3
- 1 - Used 1,000-Gallon Model "OH" Milk Cooler, complete with new HiPerForm Condensing Unit and automatic washing system Dual 3

- 1 - Used 1,250-Gallon Model "OH" Milk Cooler, complete with new HiPerForm Condensing Unit and automatic washing system Dual 3 or 4
- 1 - Used 1500-Gallon Model "OH" Milk Cooler, complete with new HiPerForm Condensing Unit and automatic washing system Dual 3 or 4

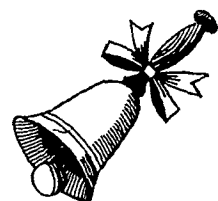
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QUEEN ROAD REFRIGERATION

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TAPERED BOARD FEEDERS, double chain, wooden conveyors, custom built, since 1965, for cattle and hog feeding systems. Glasbord trough liners, 4x40, cut to length. Martin Rissler, Stevens, Pa. 215-267-2244

Kencove high tensile supplies - fence erection. Max-Ten® wire, KOP-PERS posts, super energizers, fencing tools - literature. "Check quantity delivered price" We have a Dillsburg Distribution Center in PA 412-459-8991 or 717-432-5814 other states 800-245-6902.

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Wood Shavings Are Best!

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FOR SALE SAWDUST & SHAVINGS
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(KW) Fully Automatic CATTLE HEAD GATE



Now treating cattle is simple and easy. Can be adjusted for large or small animals, one man operation.

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Phone 717-738-4241

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Baled, shredded paper for animal bedding. Works well in dairy barns, poultry houses and others. 1 bale - approx. 1300 lbs. - will bed 50 dairy cows for 2 weeks. 20 tons per 45' trailer. \$45 per ton F.O.B. near Buffalo, NY plus \$1.10 per mile delivery charge. Strictly C.O.D. certified check. 301-582-4557

CATTLE

Chianina-Angus Cross for sale. Cows, heifers, feeder calves and bulls. 717-872-5655.

For Sale - Large choice Holstein heifers, bred & open, over 350 to choose from. Harmony Dale Farms, Phillipsburg, NJ. 201-859-2616

For Sale - 3 Registered Holstein heifers, 11 mo old. Must sell. Berks County. 215-488-6826.

Polled Hereford breeding cattle for sale. Herd sires. Walking Tall, Enticer Green Gate Farms, Lewistown, Pa. 717-248-7666.

Local Privately owned young Charolais herd, 15 cows, 6 calves bull. Rising Sun MD Call 7-8 AM 301-658-6789.

For Sale - Grade Holstein Heifers, ready to freshen. 717-284-4618.

For Sale - Polled Charolais bull, 4 years old, very good breeder, best offer. 717-467-2039. Schuykill County.

Fresh and springing Holstein heifers and cows. Also breeding age heifers and service age bulls. 717-653-5408.

7/8 Simmental bull, born May 19, 1981, actual weight at 180 days, 700 lbs. 717-284-4672

3 Registered Holstein heifers, 2 freshening Jan. 1 in March. 215-679-6845.

For Sale - Herd of 22 reg. Holsteins, 9 very good cows, records to 25,000. Call J.W. Gooch 814-274-9753

Polled 7/8 Limousin bull and one purebred bull 20 months old - about 1200 pounds - halter broke. Phone 717-243-1281.

For Sale - Purebred belted Galloway bull, 2 years old. For information 215-644-1754.

For Sale - 3 Glendale two year olds, all making top records, dams scored very good, bred to Tradition. Also other top cows for sale. Chester County. 215-932-9292 after 6.

For Sale - 7 Springing Holstein Heifers, Blair Co. 814-695-1323

Wanted to Lease Dairy cows on option to buy, state lease and purchased price on cows. Write RD#2 Box 106, Mansfield, Pa. 16933

Chianina cross heifers, all ages, some bred. Other crossbred heifers also available. 814-238-1238 after 7 p.m. Centre Co.

Close springing 1st calf Holstein heifer Pete DeVos, Franklin Co. 717-264-9388.

For Sale - Young Jersey calves. For more information call 215-756-6690. Lehigh Co.

For Sale - 1 reg Jersey family cow, several reg. Jersey 4-H heifers. 215-689-5387

Jersey bull, sired by G.L.S. Samson, 6 months old out of good producing cow. Jersey cows in all stages of lactation, also for sale. 814-238-1238 after 7 P.M. Centre Co

CATTLE

Registered Holstein bulls, 1 year old and younger. Out of dams with records to 24,000 milk and 900 fat. Stump Acres 717-792-3216 York County.

"Wisconsin and Canadian Dairy Cows For Sale - 1st, 2nd, and 3rd calf Fresh and close springers. Cash, or credit with down payment. Specialize in selecting cows for customers. Free delivery. Call collect. Reuben Greenberg, Inc., Columbus, New Jersey 08022. Phone 609-298-1021."

Wanted - Entire dairy herd, also, bred Holstein heifers. Will pay \$25 more per head than the going price. Don't sell until you call me. Call collect - Reuben Greenberg, Inc., Columbus, NJ 609-298-1021.

Wanted - Herd of dairy cows or heifers. 301-358-0412.

Buyers & Sellers of Livestock - Be sure to check the advertisements for cattle in the Lancaster Farming. You'll get results! 717-394-3047 or 717-626-1164.

LEASE QUALITY DAIRY CATTLE
Various plans available.
Call or Write:
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612-377-1489

For Sale - Registered Holstein bulls from top AI sires, many available to select from. Star Rock Farms, John Barley 717-872-4058

Simmental Percentage & Purebred bulls, cows, heifers & club calves by leading AI sires. Performance tested. Edward Pierce, R.D. 2, Neshanic Station, NJ 201-369-4039

Service age registered Holstein bulls by Pete, Star, Astronaut, Glendale, Chief and others. Dams classified very good with records over 29,000 lbs. milk and 1195 lbs. milk fat. Stumpland Farm. 215-488-1965

CATTLE

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For Sale - Black Limousin Bull service age Bedford Co. 814-623-1289

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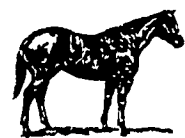
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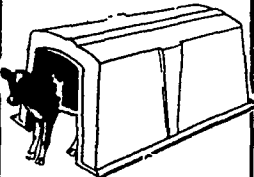
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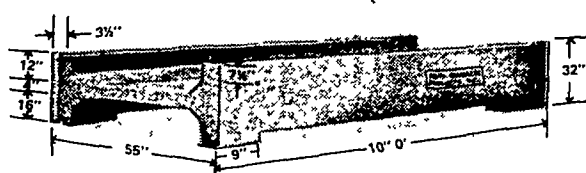
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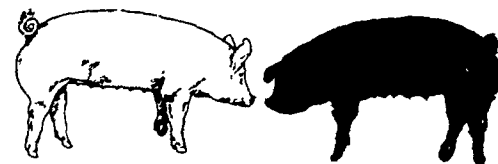
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SPECIAL TRUCKING SERVICE AVAILABLE FOR FARM PICKUP OF YOUR GRAINS.
CALL FOR DETAILS.

WE'RE ALSO BUYING EAR CORN

CONTACT US FOR YOUR 1982 PRICES ON

- * SEEDS
- * FERTILIZERS
Nitrogen, Phosphorus, Potash
- * CHEMICALS

BALER TWINE

Phone: Office 215-869-8201 215-869-8006
Dick: 215-932-3307 evenings

RD 2, Cochranville, Penna. 19330
Located on Rt. 41 Between Avondale and Cochranville. Warehouse at Russellville.



NEEDED
ADDITIONAL
SWEET CORN
GROWERS

To plant expanded sweet corn acres in Pennsylvania, New Jersey, Delaware and Maryland to supply our new modern processing plant.

A. RATES: Up to \$60 per ton subject to distance from plant. Additional Bonus for Irrigated and/or Large Acreage

B. HARVESTING: By processor with late model Uni-systems.

C. ADVANTAGES:

1. Shorter growing season than field corn with double cropping possibilities.
2. No harvesting and hauling problems or expenses.
3. Guaranteed rates, reasonable terms.

Contact: Thomas A. Graby
John F. Cope Co. Inc.
Rheems, Pa. 17570
Phone: 717-367-5142
7:00 AM - 4:30 PM Weekdays

QUALITY CORN PRODUCTS SINCE 1900

Buyer of shelled or ear corn. John J. Hooper, Inc., Gordonville, Pa. Ph. 717-768-8481 or 768-3216.

For Sale - Bright Wheat straw, will deliver. Stump Acres, York Co. 717-792-3216.

BUYING
EAR CORN
AND
SHELLED CORN

Picked up at your farm or delivered to Manheim.

JAMES E. NOLL
RD 2, Manheim, PA
717-665-4785

FERTILIZER

BUYING & SELLING BROILER MANURE
Hauled in 20 ton loads
717-354-4175

BROILER & TURKEY MANURE FOR SALE

Delivered within 100 mile radius of Harrisburg, in 15 ton loads.

717-582-2352

FERTILIZER

HOG MANURE FREE

except for delivery charge
15 mi. radius of Felton, York Co.
717-927-9318

WANTED - CAGE LAYER MANURE

I can provide cleaning and hauling during the following months: June - August - September and December thru March.

Schedule your houses Now!
References provided upon request
York Co.
717-422-2630

Farmers Save Fertilizer Cash

On corn and tobacco land
Use mushroom manure

Special Sale ends February 1, 1982

Five 800 bu. loads
Fertilizer value is \$900
Our manure cost is \$300
Free Delivery

Have a Merry Christmas and a Happy New Year

Mahlon H. Martin & Sons
717-859-3348

CUSTOM WORK

Will do custom hauling of 21' rollback truck during winter months. 717-393-6530 8-4:30.

HELP WANTED

Area Sales Manager position. Aggressive, creative & highly motivated person to sell field-bottom unloading silos in 16 County area. Prefer Bedford-Fulton Co. residence as this would be the center of the area. Must have agricultural background & have at least 10 yrs. of successful selling of agriculture products. Pay & benefits commensurate with ability, experience & productivity. Reply to Box 366 JH-137, c/o Lancaster Farming, Lititz, Pa 17543.

Part-time or full-time employment on poultry, hog and tobacco farm in return for rent free, 12x65 mobile home. 717-665-3032.

Mechanic for farm and industrial equipment. Experience on gas and diesel engines, knowledge of welding and hydraulics. Small shop. Must be experienced. Call 609-881-2692 for interview.

Young married person w/management ability and agricultural background to work on Montgomery Co farm. House provided, all utilities, hospitalization, pension plan, paid vacation and other benefits. Send resume to Lancaster Farming, P.O. Box 366 R-87, Lititz, PA 17543

Farm laborer, family welcome for Central PA, beef and crop farming operation, housing, medical benefits provided. Must be experienced and willing to assume responsibility. Send resume to Lancaster Farming, P.O. Box 366 A-22, Lititz, PA 17543. Equal Opportunity Employer.

WANTED

Someone in Lancaster County w/feed lot to finish approx. 25 head beef cattle.

Send replies to: Lancaster Farming P.O. Box 366 R-85 Lititz, PA 17543

EGG PLANT PROCESSING MANAGER

West Coast. Supervise 150 people and processing, breaking, dryer, QC, shipping-receiving. Egg plant experience a must. Opening immediate. Call Ted Schell.

513-221-1111

SEALSTOR

Sales manager to train and supervise field sales force engaged in selling bottom unloading silos, liquid manure systems & farm automation. Salary, expenses & commission.

We are now interviewing field sales people for a few open sales territories.

Call or Write for Confidential Interview.

Russell Darkes Jr.
Penn Dutch Farm Systems, Inc.
1730 Highway 72 N
Lebanon, PA 17042
717-273-9324

BUSINESS OPPORTUNITIES

"LIKE T.V.?" Imagine 50 channels on "your set" easy, reasonable. Regional directors needed now!! "FREE BROCHURE"

American Wholesale Satellites Box 448 Stone Mt., GA 30086

Grain farming with complete set of large equipment with option to rent 150 acres \$32,000. Write P.O. Box 25, Red Lion, Pa. 17356.

SITUATIONS WANTED

Wanted - To establish business hauling dry bulk or other agricultural products. Would be interested in working for individual farmers, Farm co-ops, Feed or grain companies or established haulers. Will consider all offers. Location Lancaster County. Please send replies to Lancaster Farming, P.O. Box 366 R-86, Lititz, PA 17543

Young dairyman with family desires to lease or lease-purchase farm with owner financing. Prefer 40-50 stanchion barn, have cows and equipment. Send reply to Box 366 K-25, c/o Lancaster Farming, Lititz, PA 17543

Handyman position wanted - six years experience on farm, etc. Prefer Lancaster County area. Send replies to Lancaster Farming, P.O. Box 366 R-88, Lititz, PA 17543

HELP WANTED

Ams-oil dealers wanted. 717-626-5693.

Young christian couple to work on modern dairy farm. Wife help with milking occasionally. House and utilities. Experience and references required. Chester County, 215-269-3442

WANTED

Service manager for established farm equipment dealer. Must have ability to supervise mechanical operations, effectively deal with customers and handle paperwork.

ALSO Position for agricultural equipment salesman with field experience.

Confidential Inquiries Salary and benefits open.

Location - Northern Va., Piedmont Area.

Send Resume to: Box 366 J-206 Lancaster Farming Lititz, Pa. 17543



TRUCKS & TRAILERS

For Sale - or Trade - 1975 35' Globemaster travel trailer w/separate bedroom, AC, and much more, used one year. Asking \$6000, value new \$15000. Will trade for good diesel farm tractor, crawler or backhoe of equal value. 717-334-6357 weekends. 717-334-7035 evenings.

4 Horse stock trailer, hydraulic brakes, \$700. Old Chrysler to tow trailer \$150. 717-392-1401.

1977 Int. 1800 446 V8, 5 and 2 speed, air brakes, power steering, double frame 10.00x20 tires, 69,000 miles, 32,000 GVW; 1971 Int 2110 tractor with 5th wheel, 477 V8 5 and 2 speed, air brakes 10.00x20 tires. 301-877-9889.

1960 Fruehauf 32' tandem axle flat trailer with 4' grain sides \$1500. 301-790-2664

Moritz - 6 x 16' Gooseneck Livestock Trailer, Medium Blue (717) 667-3921

Custom built stake side truck body, 10' x 7'8" by 3'7" sides. Fits 1/4 or 1 ton. 717-264-8814

1980 Ford F-150 4x4 Ranger, 6350 GVW, 18,000 mi Rust proof Trailer towing package, 4 spd. trans. \$7900 firm 717-776-7724

'72 Japer trailer, 6'x16' 3000 lb. license \$495. 717-792-1366.

Gooseneck Trailer - 35' three-axle flatbed with 7' deck-over-neck - 26,000 G.V.W. (717) 667-3921

For Sale - Real good 20' 3 axle goose neck trailer w/grain & cattle racks \$2700. Bedford Co. 814-623-2603.

1970 John Deere 540a Log Skidder \$8500 John Deere 440 Log Skidder \$750 1975 Franklin XL 170 Skidder \$9500 1971 Tree Farmer CJ4 New Tires \$7500 Short Dog Log Skidder with Winch \$1975.00. Others, Trade, 814-793-2829. Curry Supply.

For Sale - 1970 Int. 400 6-71 Detroit, less than 15,000 mi. since major, twin screw, new clutch, trans. rebuilt, air slide, \$6000. 301-648-4613 after 7 p.m.

1968 Diamond Reo 15' dump licensed \$2,000. 260 Cummins \$3,500. Will consider trade on late model Ford Custom or Crew cab pickup. 814-355-3553.

1975 Ford F 600 11' Flat Dump \$5975, 1974 F 700 16' Flat Dump PS \$6500 1975 Ford 4x4 Pickup Auto, PS \$2375 1979 Dodge Power Wagon Pick-Up Auto, PS \$4675 1971 IHC 20' Log Bunks, Tandem Prentice loader \$13,500 1975 Tree King Log Loader IHC 220 Power unit \$12,500 Others, 814-793-2829. Curry Supply

1977 Chevy C 30 Hostetler 12' Cattle Body and roof, power steering, Silverado PKG, very clean \$7,500. Trade, Finance 814-793-2829. Curry Supply

74 freight liner 318 - 13 speed recent overhaul, many extras with 35 ft. dump trailer, good truck \$18,000 717-246-2218

1977 Bob Cat Diesel \$6500 00 1975 Case 1740 DIESEL BOB CAT \$4500 814-793-2829 Curry Supply

For Sale - 1976 GMC 6500 with new Omaha dump body. Excellent condition 914-651-4187

Wanted to Rent - 2 cage trailers. Will pay cash. By the month. 304-754-7829

NHB Cummins engine, 549 Int gas engine, 23,000 lb. Eaton rear, 2 speed straight air, 215-258-9818 after 7 PM

TRUCKS & TRAILERS

1981 Ford F100, 2300 miles, power steering, power brakes, AM-FM cassette radio, steel belted radial tires. \$5,495. 717-345-3349

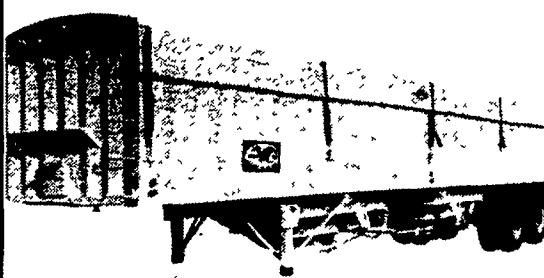
For Sale - 1962 GMC 5000 cab and chassis. 26,000 GVW. \$1000. Call 717-761-0651 after 8 PM

Gooseneck dump trailer, 15,000 GVW and/or J20 jeep 8,400 GVW, both inspected. Lancaster County. 717-786-1882

Cherokee Trailer 20' Gooseneck Two-axle flatbed trailer Great machinery or hay hauler \$3250 00 (717) 667-3921

Complete front end, fenders, hood, radiator and grill for International Loadstar Truck, perfect \$150. 301-795-9631

HAWKEYE EAGLE HOPPER BOTTOM



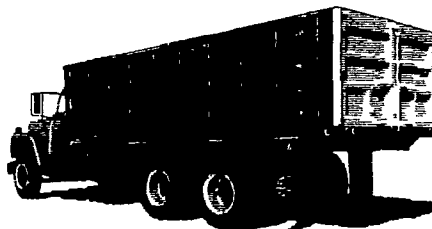
Steel or Aluminum in stock. Prices starting below \$15,000 All welded for strength and long life.

Wood Chip Trailers A Specialty! for sale - used 32' Freuhauf tub, 45,000 mi.

Plain View Farms
Ron Wessel
Worton, MD 21678
301-778-1065

Livestock & Grain Bodies

Bigger Than Ever, Better Than Ever



■ One-piece roll formed steel sides with built in tarp rail Available in 28", 40" and 52" extra-capacity heights all with maximum corrugation for maximum strength

■ 40" and 48" hardwood sides also available the truck body Omaha Standard built its reputation on

■ The toughest platform in the business - laminated wood, smooth steel or tread plate

■ Easy-conversion hardwood upper racks greater flex and life than steel fold down racks

■ A full line of rugged gates all engineered to make your job easier

Omaha Standard

FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road
Ephrata, PA 17522
Located in the Village of Farmersville,
Lancaster County
717-354-4271

TRUCKS & TRAILERS



Hostetler Truck Bodies & Trailers

Livestock Trailers
Grain & Dump Trailers
Flatbed Trailers

Grain and Livestock Bodies
Stake and Contractor Bodies
Utility or Service Bodies

Rt. 322, Milroy, Pa. 17063
717-667-3921

4 WHEEL DRIVES

★ 14 In Stock!

PICKUPS

★ 27 In Stock!

VANS

★ 13 In Stock!

WE DEAL!

MIKE RHODES & CO.
"THE TRUCK PEOPLE"

Rt. 663 & Swamp Pike, Gilbertsville, Pa.
Area Code 717 or 215 Call Toll Free
1-800-362-7655
or 215-327-1380

Seasons Greetings



LANCASTER

1710 Rohrerstown Rd.
717-569-2648

YORK

1116 Roosevelt Av.
717-848-6400

USED TRUCKS

EXCEPTIONALLY CLEAN AND WELL MAINTAINED

1977 FORD ECONOLINE E250

300 cyl. engine, auto trans. radio, new paint.

1975 CHEVROLET

20' VAN TE67

366 V8 engine, AT540, automatic transmission, aluminum body w/curbside door and roll-up rear door, power steering, radio, new paint.

1976 FORD

14' REFRIGERATED VAN LN7000

175 HP Cat engine, 5 sp. - 2 sp. trans., 1000x20 tires, dual 50 gallon tanks, XMT-20 Thermo-King unit, new paint.

1979 CHEVROLET C7D042

Cab and chassis only, will take 14 or 16' body, 366 V8 engine, 5 sp. trans., PS, tilt hood.

USED TRACTORS

1975 CHEVROLET Titan 90

Tandem axle diesel sleeper, 318 Detroit engine, 10 speed transmission, PS, AC, with or without new paint.

1976 PETERBILT 352S86

Tandem axle diesel sleeper tractor, 350 Cummins engine, 13 speed transmission, power steering, A/C, overhauled.

1977 GMC JC 9640

Tandem axle diesel, conventional cab, NTC 290 Cummins engine, 10 sp. trans., 38,000 rear axle, PS, AC, low mileage

1977 Ford LN 9000

Single axle diesel, conventional cab, 238 Detroit engine, 10 sp. trans., PS, AC, Air Shield, just overhauled, with or without new paint.

Complete maintenance records available for inspection. Other makes, Models & types to choose from.

TRUCKS & TRAILERS

1979 F150 4 wheel drive, new condition. 717-345-3349

Energy Hyd truck hoist Sales & Service. Anderson's Repair Shop, Rd 1, Felton, PA 717-244-2039.

For Sale - 1970 Ford F1000 with sleeper, 250 Cummins engine with 10 speed, tandem axle, \$3900. 1970 Ford, rebuilt gas engine, single axle, \$2900. 717-866-4906.

For Sale - used 12' wood cattle body used 21' wood cattle body. Used 18' aluminum livestock body in exc., M.H. Eby, Inc. Blue Ball 717-354-4971

Cherokee & Rawhide stock trailer, dump grain trailer, farm flat beds & horse trailers Gooseneck & bumpers available 201-782-8771

Truck bodies - New and used. Call for prices and availability J.R. Opp Co., R.D. 1, Muncy, PA 17756. 717-546-3397

TO HAVE YOUR TRUCK CHASSIS FRAME LENGTHENED OR SHORTENED CONTACT WITTES TRUCK AND TRACTOR 301-829-0271

AUTOMOBILES

RECREATIONAL VEHICLES

'72 Japer snowmobile trailer, 6'x16' 3000 lb license \$495 717-792-1366

Ski-Doo Blizzard 5500, like new, only 615 miles, \$1500 firm. 301-452-5043

Playmor Camper w/stove and table
1964 Chevy Camper, self-contained, sleeps six

STRALEY FARM SUPPLY
1760 East Canal Road
Dover, PA 17315
717-292-2631
717-292-4443

AUTOMOBILES

1962 Plymouth Fury 2 door, hard top, auto, radio, heater, ps, 318 engine, good restorable car, 9589 were built, \$750 717-766-9272

1954 Ford Customline, 4 door, 6 cyl, auto, 67,000 mi, runs good, state inspected, \$1250 717-766-9272

1975 Ford Granada, automatic trans. and power steering
1971 Chevy Impala Custom
STRALEY FARM SUPPLY
1760 East Canal Road
Dover, PA 17315
717-292-2631
717-292-4443

PETS

Blue Tick hound dog puppies 6 weeks. Good hunting dogs, good pets & watchdogs. Can see parents, have shots. \$50 each. See to appreciate. Call 215-777-3831

MISCELLANEOUS

Sure Weight Scales, portable. Model 1259-B, weighs up to 3000 lbs like new \$1000 609-451-4968

For Sale - Top buggy with stormfront, Wayne Martin, Bowmansville along Rte. 625

Wanted - Black iron cookstove, wood, coal, gas combination on legs, prefer waterjacket but not necessary. Must be in good working order. Write stating price, condition, sketch to Stanley, 182 Bridge Street, Graterford, Pa 19426

Sale-Meat Grinders, Band Saws, Slicers and Tenderizers; also, New Splitting Saws for only \$225 Gerry Grundy, Doylestown, PA on Rt 75, 200 yds. north of Rt. 274. Open Sat and Sun 10 a.m. - 4 p.m. 717-349-7654 or eve call 215-549-7584

For Sale - Shenendoah wood stove used only 11 mo. 717-464-3287

For Sale - WWII submarine document safe \$70 12 gauge high standard riot gun \$250 357 stainless steel Reuger w/herter's grips and holster \$250. Old 44 caliber cap and ball Spencer \$250. Fast drawer western rig \$80 717-588-9626 evenings

Canadian solid runner 2 to 4 capacity sleigh, like new \$725; Wicker 1 horse sleigh needs work \$325 Northern Baltimore Co MD 301-374-6024

Windmills - Residential, commercial, farm, pays for investment in savings very quickly Write now for complete details and a verbal quote to A.M.G., P.O. Box 263, Harleysville, Pa 19438

For Sale - Used Guild guitar, good condition Solid Maple Guitar, case and beginner books Selling for \$100 717-627-8800

1 hand turn gas pump, measures gal, single chain hay or straw elevator, 275 gal tank on skip, suitable for hauling water, 24 ft corn and grain elevator, 55 gal. steel drums, new glass shower enclosure for tub. Phone 717-374-4401

Baler twine - 9000 or 10,000 feet length coming in Feb Pay when you pick it up \$18.50 a bale. Orders must be taken by Feb 1, 1982. Call 215-445-6888.

Good used insulated dog pens w/runs for medium sized dogs. 717-354-9381

MISCELLANEOUS

Factory fresh cedar chest kits, oak flooring, plywood. Phone Tom Hostetter. 717-539-4091.

FOR SALE - New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers, new bedroom furniture. Open 7.30 to 4.30, Saturday, 7.30 to 12.00, evenings by appointment. Myer's Washer-Dryer, Rt. 772, between Brownstown and Leola. 717-656-7169

DRUMS & BARRELS - New and used plastic steel and fiber. Fresh, empty wooden barrels for wine & cider. Local and Long distance delivery. Reliable Recyclers, Inc. 114 S. Maple Ave, Leola. PA 717-656-4211

4-burner bottled gas stove, ideal for country home or deer camp. Make an offer Call 717-626-8078

Wanted - Firewood Market. Buyer must load and haul. Bids based by the full cord 717-254-6558 Or mail bid to Mike Simon, RD 1, Jermyn, PA 18433

For Sale - Oak, poplar and walnut lumber (green) Slabwood - long lengths and sawdust (dry) Moyer's Sawmill, Rt 2 Annville, 717-867-5316

Wanted Church benches & pulpit. 717-866-2496

For Sale - 50 kw alternator w/Deutz diesel, \$7000 Also Quincy 10 hp air compressor double stage, \$1200 1000 gal air tank, \$800. 2 cylinder 34 hp Hatz diesel, looks & runs like a Deutz, \$2200. Hobart 300 amp mig welder, 3 phase current, \$1200 717-935-2056

FUN FOODS - Fifteen dessert-recipes, ages 7 thru 12 Some quick, easy snacks requiring no cooking, \$1 and SASE. A. Ream, Box 164, Mt Lake Park, Md. 21550

RUBBER STAMPS

Made To Order
Ink Pads Available
Write or call after 6 P.M.

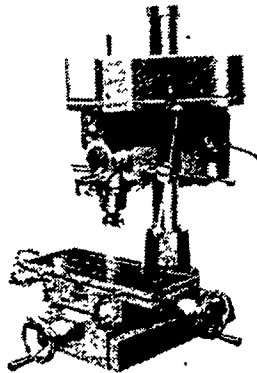
Gary Hess
451 N. George St.
Millersville, PA
717-872-6245

FOR SALE BUTCHERING EQUIPMENT

MEAT SAWS, GRINDERS, STUFFERS, SLICERS, SPLITTING SAWS, TABLES, KNIVES, ETC NEW & RECONDITIONED
MARTIN BAMBERGER CO.
4110 Pinkney Rd.
BALTIMORE, MD 21215
(301) 358-9700

MILLING MACHINE

\$795
Regular Price \$1195
FOB York



Price includes Work light 1/2" Drill chuck R 8 shank Carbide Face Mill cutter with Arbor, Angle Vise, 1 hp single phase 110 vac motor with reversing switch A fine machine for FARM SHOP - Cut keyways, mill slots Drill large and small holes, hundreds of uses Packed in wooden box, shipping wt 440 lbs This machine in stock Write for illustrated specification sheet
Visit our big showroom Over 200 wood and metal working machines on display

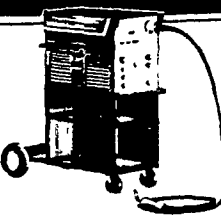
WILKE MACHINERY CO.

1519 Mt. Rose, York, Pa 17403 1/2 mile west of I-83, Exit 7
717-843-4924 York
Send 50¢ for Machinery Sale Catalog

MISCELLANEOUS

For Sale - Ieria Cotta, transite and concrete pipe. From 8" to 36" and fittings. Call 6 A.M. - 6 P.M. 215-672-4200

CENTURY ALL STAR MIG WIRE FEED WELDER



Stock No 117-002
Built for Quality, Capability and Economy
• Welds aluminum or steel without expensive attachments
• Welds 26 gauge to 1/4" metal with ease
• Welds in all positions - including overhead and vertical
• MIG Welding is the only acceptable means of weld in High Strength Steel used in new cars and trucks



FARMERSVILLE EQUIPMENT INC.

Ph. 717-354-4271

REAL ESTATE

Young dairyman with family desires to lease or lease-purchase farm with owner financing. Prefer 40-50 stanchion barn, have cows and equipment. Send reply to Box 366 K-25, c/o Lancaster Farming, Lititz, PA 17543

For Sale - by owner, 8 room house one acre land Susquehanna County Springville Township 717-289-4264

For Sale - 43A Farm, mostly iron stone soil, four bedroom house, running water, along Oaklin Drive and Yellow Hill Road, Brecknock Twp., Lancaster Co. \$155,000. Some financing available, low interest. Menno Shirk, RD #2, Brown Road, East Earl, Pa 17519.

"Dairy Operation" Two sets buildings, ninety acres tillable, subdivision possible, 3 silos, near Golf course, terms possible. Ace Realty Shrewsbury. 717-235-7915. "Farm of Charm" Eleven acres colonial, barn, summerhouse, Rental Income, garages Near Golf course. Ace Realty, Shrewsbury 717-235-7915

200 tillable acres in Harrisburg area Mostly level limestone soil. Dairy barn for 56 cows Large stone house convenient location for horse farm, purebred beef cattle or sales barn. You can't find a better farm for any purpose. Write Lancaster Farming P.O. Box 366 K-24, Lititz, PA 17543

For Sale by owner - Modern 45 acre hog farm, Nebraska unit for 1200 head with complete feed factory and mix mill system and grain storage facilities Serious inquiries only York County 717-757-1144.

Wanted to rent - Farmland in Lancaster and York Counties. Phone 717-653-4420 after 4 P.M.

Luzerne County, Slocum Township. Beautiful 1/4 acre springfed pond on 30 acres. 400' road frontage. Excellent hunting. Lovely picnic area and lawn. Great place for hunting cabin or homesite. Priced to sell. Contact Daniel Monroe Rt. 4 Orange Texas 77630.

Dairy farm for rent, 138 acres, Blair Co. 814-239-2593

REAL ESTATE

For Sale - Broiler - farm 100,000 capacity, good investment \$50,000. down. Fully automated. Call Mr. Smith, York Co. 757-6872

For Sale - 150 Acre dairy farm, 5 miles East of Bethel at Strausstown, Berks County. Large level square fields, dairy barn with 49 stanchions, 800 gallon bulk tank, 2 streams, pond, meadow, grain dryer with metal bins, new 22 x 65 silo, 3 other silos, large pole shed for heifers and implements, new garage, 7-room house plus bath, new furnace. \$2,000 per acre. Phone 215-678-8274

For Sale - 117 acre farm in Union Co. PA 717-922-1410

Barns Only +146 acres of good farm land and woods, Southern York County, asking - \$1,400 per acre. BAUGHMAN REALTORS 717-741-4671 or 717-862-3869 (13526).

For Sale - Farm of 9.66 acres, good buildings, 5 acres farming land, rest in pasture, creek in pasture field. Farm is 3 miles east of New Berlin, 6 miles west of Selinsgrove. Joseph C. Yoder, Middleburg RD3, Box 91A, Pa. 17842

Seasoned dry hardwood delivered at reasonable prices. Also, 2-10 acre heavy timber tracts of woodland with frontage 215-445-6427.

Excellent Alfalfa show farm, luxury home, 35 head barn, tool shed, near Lewis County, Mennonite-Amish community. Will sell, rent, or finance \$145,000. Carl Steria, Rt. 2 Carthage, N.Y. 13619 315-493-1798.

REAL ESTATE

Honest, young dairyman with family would like to purchase or lease-purchase dairy farm with owner financing. Have four years milking experience and capital that could be used toward the purchase of herd and machinery. Prefer Lycoming, Upper Northumberrland, Union, Montour, Snyder or Centre Counties. If interested please call (717) 322-1759.

Tioga County. Secluded 34 acre farmette or vacation hide away in good hunting area. 9 room farm house, good barn, 24 acres tillable land, balance pasture with small brook flowing through. Only \$29,000.

65 acres mil hunting land both open and wooded \$20,000. \$10,000 down \$151.85 per month for 9 years at 12% annual percentage rate.

UNITED FARM AGENCY OF PA. INC.
Real Estate
Wellsboro, Pa. 16901
717-724-1884

Couple desires to buy 5 to 15 acres fertile, tillable, class 1 or 2 soil within 20 minutes Downingtown Exit Pa. Turnpike for horticultural farming. Call 215-836-7655 evenings.

Wanted - Small farm or land Please include price, terms, taxes, tillable acres Reply to Box 366 J-211, c/o Lancaster Farming, Lititz, Pa. 17543

OLEY VALLEY
Limestone soil, 123 acres level land with large stone house, stone garage and corn crib and large stone barn. Possible owner financing.
STROUT REALTY, INC
215-367-2018

CENTRAL NEW YORK OFFICE

SOLID FAMILY FARM NEAR COBLESKILL: Nice laying level fields on this 214 acres with 110T Barn for 54 milkers on pipeline, newer Patz cleaner, 16x40 and 20x60 silos w/unloaders, auto. feeder system, large dryer Attractive 10 room home, 34 Holstein Milkers, 17 y/s 4 tractors and all machinery \$220,000 Terms CALL WIMPLE REAL ESTATE SLOANSVILLE N.Y. 518 875 6355

SOUTHERN NEW YORK OFFICE

NICE SPOT FOR REGISTERED HOLSTEINS: 400 acre farm near Norwich and gently rolling fields, barn has 70 extra large ties, 20x60 and 14x30 silos, cleaner, dump station, 2 ten ton feed bins with mill 600 gal tank 2 homes 10 and 5 rooms both centrally heated ALL OFFERS WANTED ASKING \$149,900 w/terms. CALL TRUMAN-SBURG OFFICE 607-387-9303.

ST. LAWRENCE VALLEY OFFICE

JUST LISTED: 227 acres sandy loam soils, 150T, level fields, nice 51 stanchion barn w/concrete unloader silo, cleaner, mow elevator, large machine shed, calf shed, newly remodeled kitchen in 8 room home. Also new siding and add on wood furnace 44 milkers, 19 y/s 4 tractors. Complete line of machinery. \$255,000 w/about \$60,000 down CALL GOUVERNEUR OFFICE; 315-287-4163

EVERYTHING IS BRAND NEW...EVEN THE BARBED WIRE!! Brand new Agway 2 story hip roof barn for 48 milkers, has 6 unit DeLaval pipeline, Jamesway cleaner to manure room, new 40x60 steel machine shed, pretty milking room with automatic washers Beautiful 3 bedroom ranch home has \$5,000 worth of cabinets in kitchen, built in vacuum system, many extras 149 acres alfalfa soils, 100T, includes 46 cows (mostly first and second calf heifers) 420 J.D. Dozer (79), tractors, almost all new machinery. \$294,000 w/terms CALL 315-769-9380 OR GOUVERNEUR OFFICE



MERRY CHRISTMAS

Here's hoping that this special season guides you to inner peace and love.

HUGE FREE DAIRY CATALOGUES. WIMPLE REALTORS HEADQUARTERS. SLOANSVILLE. N.Y. 518-875-6355



Peace On Earth

May you and yours experience all the peace and happiness that this season has to give. Many thanks.

PETTICOFFER DODGE, INC.

Route 230 East Next to Shopping Center
Elizabethtown, PA
PHONE 717-367-1808

PETS

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\$200 cash prize for cutest pup purchased Tues., March 2, 1982



Jo Jo the Dog Man at Root's Farmers Market
RD 1, Manheim, PA
Tuesdays from 5-8 pm
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Tioga County 65 acre farm with stream, barn, new slaughter house. Ranch style home with 3 bedrooms, 1 1/2 baths, 2 car garage. 717-724-3768. Call 717-724-3853, evenings and weekends.

For Sale by owner. 240 Acre farm in Juniata Co. Call 717-436-8309. After 5 PM

FOR SALE BY OWNER, 60 acre Berks County Farm. Up to date poultry house for 35,000 layers (now on contract). Also good horse facilities for the serious horse breeder. Farm house, 2 mobile homes, 2 wells, stream, quiet rural setting. Only serious inquiries. No brokers. \$390,000. (215) 562-7776.

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REAL ESTATE

50 acres all tillable, old house with fireplace and crane, 50x100 barn, horse, beef or pig farm. 1/2 down. Owner financing on balance.

Write: Box 120 Forksville, PA 18616 Sullivan County

REAL ESTATE

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KEY REAL ESTATE

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145 acre dairy farm w/85 tillable acres: 55 stall milking barn, free stall barn, silos, and other accessory buildings

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160 acre dairy farm featuring 110 level tillable acres, milking barn, free stall barn, stone and frame home in ideal location near Nottingham

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139 acre land of which 98 are tillable, situated near Norman Wood Bridge

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90 Acre Dairy Farm 190 Acre Dairy Farm 50 Acre General Farm

68 Acre General Farm 60 Acre General Farm 90 Acre, no bldgs. 61 Acres, no bldgs.

7 acres stone home, barn, tenant house

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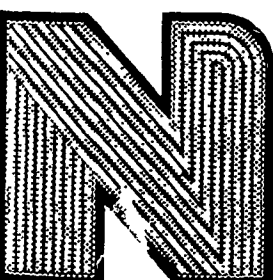
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126 acres. Present dairy operation. 27 tie stall barn with drinking cups, Fickes silo, garage, 300 gal. Gorton tank. All buildings in excellent condition. Modern 2 story home, pond and creek frontage and 85 acres are tillable. Farm is presently under excellent management. \$200,000

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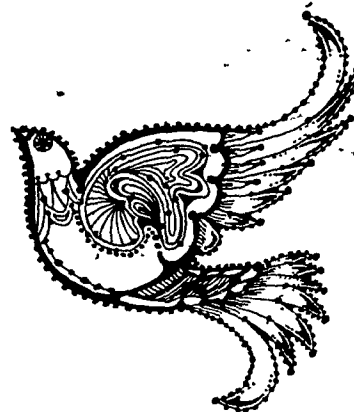


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and
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NY State Dairy Farm

125 acre farm, over 60 good tillable acres, barn holds 35 cows plus 7 heifer stanchions plus room for started calves, bulk tank, barn cleaner, two 14x30 silos, bedroom house with 1½ baths, oil and wood combination furnace, plus other buildings for machinery, located on good road with good milk market. Priced at \$75,000 - for quick sale, \$30,000 assumable mortgage at 10% to reliable party. A real nice farm, must be seen! You won't find any like it for this price.

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F1-26 Perry County, 180 acre general farm Presently beef/calf operation 4 bedroom 1½ bath house, owner financing available on \$100,000 Full price is only \$221,000.

F1-77 Wooded tracts in Juniata Co Near McAlisterville. 10A & up Underground utilities \$1200/A Less for larger tracts Generous owner financing. Cash discount. Call Don

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#1 125 acre limestone general farm in Cumberland County. 110 tillable - 8 miles from Mennonite Church.

#2 Beautiful dairy with 60 stanchions and pipeline - barn 9 years old. 237 acres-180 tillable. Several equipment sheds and 20x70 silo. A real turn key operation in Union County.

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170-ACRE FARM - 90 tillable. 20 wooded pond, bordering all weather creek, fruit trees 5 bedroom home, large barn silo additional barn \$110,000. Owner financing available No 1568

350 ACRES - 300 tillable long road frontage 50 acres assorted native hardwoods 7 ponds 7-14 feet deep \$175,000 Owner financing available No 1495

1830'S RESTORED GREEK REVIVAL & 250 ACRES - 135 tillable, 65 pasture springs creek 50 acre hardwood forest 4 bedrooms 2 full baths large L-shaped barn silo assorted outbuildings \$155,000 Owner financing available No 1098

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147 ACRE GENERAL FARM - 2 story stone house, 2 bank barns (one with 29 tie stalls) workshop, 12'x55' concrete stave silo, stream & pond, 80 acres tillable, 30 acres pasture, 37 acres woodland \$175,000

10 ACRE FARMETTE - frontage on Rt 192. Sound 2 story house, new 30' x 60' 2 story barn & garage Nice laying land Suitable for a limited acreage dairy operation with the adjacent barn listed below. \$64,500 45 acres of woodland also available.

2 STORY BANK BARN, 41' x 90' with a 40' x 45' attachment. The barn has 27 tie stalls & an attached milkhous. 2 silos, 12' x 50' & 10' x 35', 2 implement sheds 2 acres of land included Small additional acreage available \$35,000 Adjacent to the farmette above.

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CLINTON COUNTY

GENERAL FARM 183 acres near Loganton 83 acres productive tillable land, 9 acres pasture, 89 acres woodland. Very good 2 story frame house, large bank barn, garage, hog pen. Small stream, well & 2 springs. Joins state forest land \$180,000, owner financing

HUNTINGDON COUNTY

DAIRY FARM - 330 acres, (175 productive Hagerstown tillable, 125 pasture & 30 woodland) 3 dwellings, large bank barn with 36 tie stalls & pipeline milker, 2 concrete stave silos with unloaders & miscellaneous outbuildings Dairy facilities are less than 2 yrs. old. Spring water. \$340,000 Owner Financing

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NORTHUMBERLAND COUNTY

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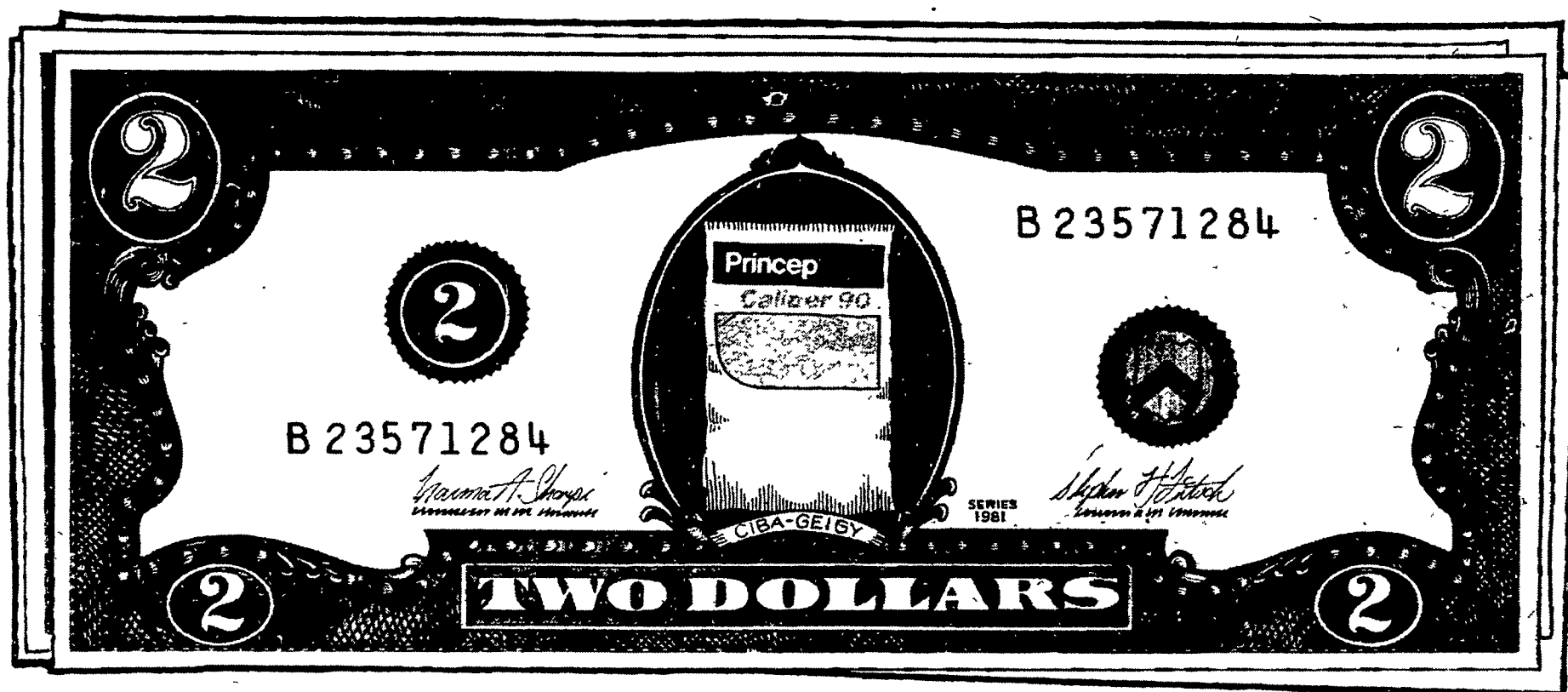
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Now you can control weeds and grasses in your corn and save money, too. Princep® Caliber® 90 dissolving granules pour right into your tank, mix easily and stay in suspension. Mixed with AAtrex®, it gives you the best control of annual broadleaf weeds and grasses, lasts right up to harvest, and is a low-cost combination. And now you also get a cash rebate: 4 bucks back for every 50 lb. box and 2 bucks back for every 25 lb. bag you buy between November 2nd, 1981 and April 30th, 1982. All you do is fill out the coupon and mail it to us. We'll send you back the cash!

Princep Caliber 90 Rebate.

Fill out this coupon, attach your original paid invoice showing your name and quantity of Princep Caliber 90 bags or boxes purchased between November 2, 1981 and April 30, 1982. Send to Ciba-Geigy, Ag. Div., General Services Dept., Box 11422, Greensboro, NC 27409. Rebate is good for \$4.00 on every 50 lb. box or \$2.00 for each 25 lb. bag you buy. All claims must be postmarked by May 21, 1982.

(PLEASE PRINT)

Name _____ Supplier Name _____
Address _____ Supplier Address _____
City _____ State _____ Zip _____ City _____ State _____ Zip _____
Number of acres treated _____

Number of 50 lb. boxes purchased _____ X \$4.00 = \$ _____ Rebate
Number of 25 lb. bags purchased _____ X \$2.00 = \$ _____ Rebate

Offer open only to end users. Allow 4 to 6 weeks for refund. This coupon may not be transferred and must accompany the original paid invoice showing number of boxes and bags purchased and name and address of purchaser. Offer good only in Conn., Del., Ill., Ind., Ky., Maine, Mass., Md., Mich., N.C., N.H., N.J., N.Y., Ohio, Pa., R.I., Tenn., Va., Vt., Wis. and W.Va. Void where prohibited, taxed or restricted.

ACT NOW! ALL PURCHASES MUST BE MADE BY APRIL 30, 1982.